Te	nperature C				6	I. MV	Input 1_	-5.0 to +105.0%	—	<u>E. M</u>	emory A	rea Transfer Mo	ode [AREA]		38	I. oHH	Input 1_	TC/RTD inputs:	TC/RTD
	SC-F	71 P	arameter I	<u>_ist</u>	*		Manipulated output value monitor [beat			No.	Symbol	Name	Data range	Factory set value	*		ON/OFF action differential gap	0 (0.0, 0.00) to Input 1_ Input span (Unit: °C [°F]) (When Control with P\/	inputs: 1 V/I inputs: 0 1
Tha	ank you fo	r purchasing th	is product. In order to ach	ieve	7	I MV-	side]	-5.0 to +105.0%		14 ♣	AREF	Memory area transfer	1 to 16	1			(upper)	select: 0 to PV select input span)	0.1
ma inst	kimum pei rument, ca	formance and arefully read al	ensure proper operation of the instructions in this ma	of the anual.	*	1. 11/2	Manipulated output value	0.0 10 1 100.0 %		<u>F. Pa</u>	arameter	Setting Mode	[(SET) (2 sec)]					[Varies with the setting of the Decimal point position.]	
Thi	s manual o	describes the p	parameter of the SC-F71				monitor [cool side]			No.	Symbol	Name	Data range	Factory set value				Voltage (V)/Current (I) inputs: 0.0 to 100.0% of Input 1_	
ſ	For detaile	ed handling pro	cedures and key operatio	ins.	8 *	2. MV	Input 2_ Manipulated	-5.0 to +105.0%	_		Pn00	Parameter group No. 00	This is the first parameter symbol of Parameter group	_				(When Control with PV select: 0.0 to 100.0% of PV	
L	refer to the	e SC-F71 Instr	uction Manual.	,			output value monitor			24	I. 54	/ Input 1_Set	No. 00. Input 1_Setting limiter low to	0				select input span) 0 (0.0, 0.00): ON/OFF	
<u>Ab</u>	out this d	ocument			9	EVENF	Comprehensiv e event state	When an event occurs, the character of the occurring	_	*		value (SV)	Input 1_Setting limiter high [Varies with the setting of the		39	I. oHL	Input 1_	action Same as Input 1_ON/OFF act	tion
• Si	C-F71 is a	vailable in two	types: single input type ar	nd dual				Set value (SV) display unit.		25	2. SV	/ Input 2_Set	Decimal point position.] Input 2_Setting limiter low to	0	*		ON/OFF action differential gap	differential gap (upper)	
ty	bes: Dual	PV type and P	V + Remote setting type.	into two				at the same time, the relevant characters are		* ★		value (SV)	[Varies with the setting of the		40	I. RPC	(lower)	0: Slow	PID
D Fo	ual PV typ or a dual ir	e and PV + Re nput model, the	mote setting type. e same parameter may exi	ist in both				displayed alternately every 0.5 seconds.		26	dS₽	Set value (SV)	-(Input 1_Input span) to +(Input 1_Input span)	0	÷• ★		response	2: Fast IWben the P or PD action is	Heating/C
ln pa	put 1 and rameters	Input 2. "1." or for identificatio	"2." is added to the top of n.	the				EUF I: Event 1 EUF2: Event 2				temperature input	[Varies with the setting of the Decimal point position.]				parameter	selected, this setting will be unavailable]	control: 2
	· · · · · · · · · · · · · · · · · · ·	Input 1_Set	value (SV) Input 2_Set value (SV	V)				EBF3: Event 3 EBF4: Event 4		*	РпЧО	Parameter group No. 40	This is the first parameter symbol of Parameter group	—	41 ★	I. PAEC	Input 1_ Proactive	0 to 4 0: No function	2
t	ne dual input t	ype I.	5 2.5					high		27	EV	Event 1 set	No. 40. Deviation:	High	42	I. MR	Input 1_	-100.0 to +100.0%	0.0
"1.'	is not add	led to the top o	of the parameters list for th	ne single				low I n∂. UP: Input 2_Input error		**		value (EV1) Event 1 set	When assigned to Input_1 or Differential temperature	action, high/low	*★ 43	I. FF	Manual reset	-100.0 to +100.0%	0.0
inp	ut type.	Set v	alue (SV)					high I n2. dn: Input 2_Input error				[high]	-(Input 1_Input span) to	action: max.	* ★	I. oLH	Input 1_Output	Input 1_Output limiter low	105.0
a	single input ty	/pe			10	RPC	Memory area	0 hours 00 minutes 00	_				When assigned to Input 2 -(Input 2 Input span) to	Low	* 45		[heat-side]	-5.0% to Input 1 Output	-5.0
TI ty	nis manual pes such a	l uses the dual as a single inpu	inputs for explanation. Fo it type, ignore the first cha	or other iracter " 1. "			monitor	minutes 59 seconds					+(Input 2_Input span) • When "Control with PV	action, process	*	1. UCC	Output limiter low [heat-side]	limiter high [heat-side]	0.0
at	the top of	the parameter						hours 59 minutes 0 minutes 00 seconds to					select" is selected at Select function for input 2	action: min	46 *★	I. MC db	Input 1_Dead zone	0 to 10% of Input 1_Input span [Decimal point position	See Table 1
[N	otation in th his part is not	is manual]	C					199 minutes 59 seconds [Data range of Area soak					-(PV select input span) to +(PV select input span)					depends on the setting for Input 1_Valve coefficient F.]	
, ,	isplayed on th			- d b -	44		land 4 0-4	time can be selected on the Soak time unit.]					[varies with the setting of the Decimal point position.]		*	Pn52	Parameter group No. 52	This is the first parameter symbol of Parameter group	—
• Pa W	nen all the	display condit	ions are satisfied.	ed only	*	i. Sofi	start remaining	hours 59 minutes hours 59 minutes	_				When assigned to Input 1 Input 1_Input range low to		47	2. P	Input 2_	TC/RTD inputs:	TC/RTD
• Pa th	arameters e memory	marked with * area function.	r in the No. column are inc	cluded in			ume	199 minutes 59 seconds [Data range of Area soak					Input 1_Input range high • When assigned to Input 2		**		Proportional band	0 (0.0, 0.00) to Input 2_Input span (Unit: °C [°F])	V/I inputs: 30 V/I inputs:
• TI	ne number ed when t	s in the No. fie	Id means Screen number	and is ter				time can be selected on the Soft start time unit.]					Input 2_Input range low to Input 2_Input range high					the Decimal point position.]	5.0
Se	lect functi	on.			12 ♣	2. Soff	Input 2_Soft start remaining	0 hours 00 minutes to 99 hours 59 minutes	_				When assigned to Differential temperature input					0.0 to 1000.0% of Input 2_ Input span	
<u>A. I</u>	Ionitor & S	V setting mode	[MONI or ET]				time	0 minutes 00 seconds to 199 minutes 59 seconds					-(Input 1_Input span) to +(Input 1_Input span)					0 (0.0, 0.00): ON/OFF action NOTE: 0 (0.0, 0.00) cannot be	
No	. Symbol	Name	Data range	Factory set value				[Data range of Area soak time can be selected on the					When "Control with PV select" is selected at Select function for input 2					set when Temperature control operation [MC-(V)COS(R) is	
1	—	Input 1_ Measured	PV display unit: Input 1_Input range low -	_	13	ILR	Interlock	Soft start time unit.] _FF: Interlock release	oFF				PV select input range low					selected in Input 2_Control action.	
		value (PV)/ Input 1_	(Input 1_5% of input span) to Input 1_Input		* B D/	aramotor S	release						high IVaries with the setting of		48 ♣★	2. 1	Input 2_ Integral time	0 to 3600 seconds, 0.0 to 3600.0 seconds or 0.00 to	240
		Set value (SV)	range high + (Input 1_5% of input span)		D. Pa	o 16 user s	pecified screens	can be displayed.					the Decimal point position.] Manipulated output value:					360.00 seconds 0 (0.0, 0.00): PD action	
			[Varies with the setting of the Decimal point position.]		Refe	r to How to	use Parameter	select function (P. 4).		28	EV I	Event 1 set	-5.0 to +105.0 % Deviation:	High/low				[Varies with the setting of the Integral/Derivative time	
			Input 1_Set value (SV) (Auto mode: at PLIN)		<u>C. 0</u>	peration T	ransfer Mode	[<mode (2="" sec)]<="" td=""><td>Fastani</td><td>**</td><td></td><td>value (EV1') [low]</td><td> When assigned to Input_1 or Differential temperature </td><td>action: min.</td><td>49</td><td>2. d</td><td>Input 2_</td><td>Same as Input 1_Derivative ti</td><td>me</td></mode>	Fastani	**		value (EV1') [low]	 When assigned to Input_1 or Differential temperature 	action: min.	49	2. d	Input 2_	Same as Input 1_Derivative ti	me
			STOP display Remote setting input		No.	Symbol	Name	Data range	set value				input -(Input 1_Input span) to		5 0	2. oHH	Input 2_	TC/RTD inputs:	TC/RTD
			value (at Remote mode) • Input 1 Manual		10	יים. ו פרוו	transfer	SFoP: STOP (Control stop)					 +(Input 1_Input span) When assigned to Input 2 	Process action:			differential gap	Input span (Unit: °C [°F])	V/I inputs: 0.1
			manipulated output value (at Manual mode)		*	1. MLU	Autotuning (AT)	Br: Fib control	orr				-(Input 2_Input span) to +(Input 2_Input span)	max.			(appoi)	the Decimal point position.] Voltage (V)/Current (I) inputs:	0
1	—	PV select Measured	PV display unit: When controlling with	—				control will automatically return to pFF.					• When Control with PV select" is selected at Select					0.0 to 100.0% of Input 2_ Input span	
		value (PV)/ Input 1_	Input 1: Input 1_Input range low -		17 ♣	2. AFU	Input 2_ Autotuning (AT)		oFF				-(PV select input span) to +(PV select input span)		51 ♣	2. oHL	Input 2_ ON/OFF action	Same as Input 2_ON/OFF act differential gap (upper)	tion
		Set value (SV)	(Input 1_5% of input span) to Input 1_Input					When the AT is finished, the control will automatically					Input value or Set value: • When assigned to Input 1				differential gap (lower)		
			range high + (Input 1_ 5% of input span)		18	1. SFU	Input 1_	return to ₀FF. ₀FF: ST unused	oFF				Input 1_Input range low to Input 1_Input range high		52 ♣★	2. RPC	Input 2_Control	0: Slow 1: Medium	0
			When controlling with Input 2:		*		Startup tuning (ST)	I: Execute once* Ind: Execute always					When assigned to Input 2 Input 2_Input range low to				response parameter	2: Fast [When the P or PD action is	
			(Input 2_Input range low - (Input 2_5% of input span) to Input 2_Input					*When the ST is finished, the control will automatically					Input 2_Input range high • When assigned to		50	2 0000	lanut 0	selected, this setting will be unavailable]	
			range high + (Input 2 5% of input span)		19	2. SFU	Input 2_ Stortup tuping	□FF: ST unused	oFF				Differential temperature input		• *★	C. PALI	Proactive	0: No function	2
			[Varies with the setting of the Decimal point position.]		÷		(ST)	and: Execute once and: Execute always *When the ST is finished, the					+(Input 1_Input span) • When "Control with PV		54	2. MR	Input 2_ Manual reset	-100.0 to +100.0%	0.0
			SV display unit: • Input 1_Set value (SV)					control will automatically return to PF.					select" is selected at Select		55 ♣★	2. FF	Input 2_FF amount	-100.0 to +100.0%	0.0
			(Auto mode: at RUN) • STOP display		20	1. R/M	Input 1_Auto/ Manual transfer	Rure: Auto mode āßa: Manual mode	RUCo				PV select input range low to PV select input range		56 ♣★	2. oLH	Input 2 Output limiter high	Input 2_Output limiter low to 105.0%	105.0
			Input 1_Manual manipulated output value (at Manual mode)		21 ♣	2. R/M	Input 2_Auto/ Manual transfer	ମଧ୍ୟ୮ _ଜ : Auto mode ଜନନ: Manual mode	RUFo				high [Varies with the setting of the		57 ♣★	2. oLL	Input 2_Output limiter low	-5.0% to Input 2_Output limiter high	-5.0
2	-	Input 2_ Measured	PV display unit:	—	22 *	R/L	Remote/Local transfer	 When "Remote setting input" is selected at Select 	LoC	29	EVa	Event 2 set	Decimal point position.] Same as Event 1 set value (E	V1)/Event 1	58 ♣★	2. МС АЬ	Input 2_Dead zone	0 to 10% of input_2 span [Decimal point position	See Table 1
-		value (PV)/	(Input 2_5% of input span) to Input 2 Input range					function for Input 2 LoC: Local mode		**		value (EV2) Event 2 set	set value (EV1) [high]					depends on the setting for Input 2_Valve coefficient F.]	
		value (SV)	high + (Input 2_5% of input span)					• When "Cascade control" is	Shūl	30	FV2	[high] Event 2 set	Same as Event 1 set value (E	V1') [low]			Table 1	Dead zone initial values	
			[Varies with the setting of the Decimal point position.]					for input 2		**	.,	value (EV2') [low]		v i) [iow]	Co ac	ntrol tion 0	Valve	3 4 10 11 12	13 14
			SV display unit: • Input 2_Set value (SV)					ER5: Cascade control		31 ♣★	EVE	Event 3 set value (EV3)	Same as Event 1 set value (E Event 1 set value (EV1) [high]	V1)/		3 0.0 4 0.0	03 0.03 0.4	3 0.003	
	1		(Auto mode: at RUN) • STOP display					select" is selected at Select	InPl			Event 3 set value (EV3)				5 0.1	0.10 1.5		
			Input 2_Manual manipulated output value (at Manual made)					I nP I: Input 1		32 ♣ ★	Е۷∃	Event 3 set value (EV3')	Same as Event 1 set value (E	V1') [low]	$ \vdash$	0 0.1 7 –		<u> </u>	0.14 1
3	-	Measured	PV display unit:	-				When "2-loop control/ Differential temperature	2LooP	33	EV	[low] Event 4 set	Same as Event 1 set value (E	V1)/		Pn56	Parameter	This is the first parameter	—
-	1	differential temperature	-1999 to +9999** *In case of Input data					control" is selected at Select function for input 2		**		value (EV4) Event 4 set	Event 1 set value (EV1) [high]		*		group No. 56	symbol of Parameter group No. 56.	
	1	input/Set value (SV) of	type 0 **In case of Input data					2LooP: 2-loop control		34	FĮ/JI	[high] Event 4 set	Same as Event 1 set value (E	V1') [low]	59 * ★	ι. Ρc	Input 1_ Proportional	1 (0.1, 0.01) to Input 1_Input	I C/RTD t inputs: 30
	1	differential temperature	type 1 [Varies with the setting of		23	L/E	Control area	temperature control	LoC	**	LV 7	value (EV4) [low]		/ [////]			band [cool-side]	span (Unit: °C [°F]) (When Control with PV	V/I inputs: 3.0
	1	input	the Decimal point position.] SV display unit:		*	-	Local/External transfer	E≝I : Extermal mode			PnS I	Parameter group No. 51	This is the first parameter symbol of Parameter group	-				span)	

				-(Input 1_Input span) to +(Input 1_Input span)		D. S	Setting Lo	ck Mode [6) (4 sec)]		35	I. F	Input 1	No. 51. TC/RTD inputs:	TC/RTD			[Varies with the setting of the Decimal point position.]	
	4		Input 1	[Varies with the setting of the Decimal point position.]		No.	Symbol	Name	Data range	Factory set value	**		Proportional band	0 (0.0, 0.00) to Input 1_Input span (Unit: °C [°F])	inputs: 30			0.0 to 1000.0 % of Input 1_ Input span (When Control	
	4 *	_	Measured value (PV)/	Input 1_Input range low - (Input 1_5% of input	_		LoEK	Set data unlock/lock transfer	□FF: Unlock state □n: Lock state	oFF			[heat-side]	(When Control with PV select: 0 to PV select input span) [Varies with the setting of	V/I inputs: 3.0			with PV select: 0.1 to 1000.0% of PV select input span)	
			Measured value (PV)	range high + (Input 1_5% of input span)			LEK. LV	Set lock level	0: Unlock 1: Lock	00000				the Decimal point position.] Voltage (V)/Current (I) Input: 0.0 to 1000.0% of Input 1_		60 * ★	Input 1_ Integral time [cool-side]	Same as Input 2_Integral time	•
				the Decimal point position.] SV display unit:					SV setting mode* + Parameter select mode * Set value (SV) and					Input span (When Control with PV select: 0.0 to 1000.0% of PV select input span)		61 ♣★	I. dc Input 1_ Derivative tim [cool-side]	Same as Input 1_Derivative tin e [heat-side]	me
				(Input 2_5% of input span) to Input 2_Input range high + (Input 2_5%					Interlock release Operation transfer mode Parameter setting mode Setup setting mode					0 (0.0, 0.00): ON/OFF action NOTE: 0 (0.0, 0.00) cannot be set when temperature control operation		62 ♣★	i. db Input 1_ Overlap/ Deadband	-(Input 1_Input span) to +(Input 1_Input span) (When Control with PV	V/I inputs:
				[Varies with the setting of the Decimal point position.]		—	ARE. LK	Area lock	0: Memory area is adjustable when the setting data is	0				[MC-(V)COS(R)] is selected for Input 1_ Control action.				span) to +(PV select input span) to +(PV select input span)) (Unit: °C [°F])	0.0
2	24 <i> </i> . •★	51⁄	Input 1_Set value (SV)	Input 1_Setting limiter low to Input 1_Setting limiter high [Varies with the setting of the Decimal point position.]	0				locked. 1: Memory area is not adjustable when the setting data is locked.		36 ♣★	1. 1	Input 1_ Integral time [heat-side]	PID control or Heating/Cooling PID control: 0 to 3600 seconds, 0.0 to 3600 0 seconds or 0.00 to	240			Voltage (V)/Current (I) inputs: -100.0 to +100.0% of Input	
4	25 Z. •★	51	Input 2_Set value (SV)	Input 2_Setting limiter low to Input 2_Setting limiter high	0	_	ЬLI Nd	Select Blind function	aFF: Function OFF an: Function ON	oFF				360.00 seconds 0 (0.0, 0.00): PD action				(When Control with PV select: -100.0 to +100.0% of	
		-1/	Cotuplus (C)()	[Varies with the setting of the Decimal point position.]	0	_	PSL. d	Parameter select direct	PF: Parameter select direct registration OFF	oFF				[Varies with the setting of the Integral/Derivative time				PV select input span) Minus (-) setting results in	
4	20 d'	ייכ	of differential	-(input 1_input span) to +(Input 1_input span) [Varies with the setting of	U		פקו ח	Parameter	registration ON	0	37	l. c	Input 1_	decimal point position.] 1 to 3600 seconds, 0.0 to	60			overlapping range is within the proportional range.	
	5 51	20	input Remote	the Decimal point position.]				select setting	0: No registration	Ū	**		[heat-side]	360.00 seconds		63 ♣★	I. oLHc Input 1_Outp limiter high	It Input 1_Output limiter low [cool-side] to 105.0%	105.0
	*		setting input value monitor	Input 1_Setting limiter high [Varies with the setting of the Decimal point position.]	-		<u> PSL 16</u>	<u> </u>		<u> </u>				[Varies with the setting of the Integral/Derivative time decimal point position.]		64 ♣★	[cool-side] I. aLLc Input 1_ Output limiter Iow [cool-side]	-5.0% to Input 1_Output limiter high [cool-side]	-5.0

No.	Symbol	Name	Data range	Factory set value	*	วกรร	Setting group No. 22	This is the first parameter symbol of Setting group No. 22	. —	*	5-57	Setting group No. 57	This is the first parameter symbol of Setting group No. 57.	—	144 c	35. Mod	items in	0: Show all	0
-	PnND	Parameter	This is the first parameter	—	86	2. PE	Input 2_PV bias (RS bias)	Input 2_PV bias -(Input 2_Input span) to	0	114	FFSC	FF amount	0 to 3	0			Operation transfer mode	+1: RUN/STOP transfer +2: Autotuning (AT)	
			No. 70.					+(Input 2_Input span) RS bias		e ‡e		learning	+1: Learn Input 1					+4: Startup tuning (ST) +8: Auto/Manual transfer	
*	і КЦН	type for	0: No assignment	0				-(Input 1_Input span) to +(Input 1_Input span)					To select two or more					+16: Remote/Local transfer (Including Cascade	
		Memory area transfer	+1: Event 1 +2: Event 2					[Varies with the setting of the		115	I. E×dJ	Input 1_	-(Input 1_Input span) to	-1				mode transfer, PV select transfer, 2-loop	
			+4: Event 3 +8: Event 4		87	2. dF	Input 2_PV	0.0 to 100.0 seconds	0.0	*		point of	+(Input 1_Input span) (When Control with PV select:					control/Differential temperature control	
			+16: Digital input 1 (DI1) Close edge		-		(RS digital					disturbance	-(PV select input span) to +(PV select input span))					transfer) +32: Control area	
			+32: Digital input 1 (DI1) Open edge		88	2. PR	Input 2_PV	Input 2_PV ratio: 0.500 to	1.000		7.5% 14	la sut 0	[varies with the setting of the Decimal point position.]					Local/External transfer To select two or more	
	000	A	functions, sum each value.		-			1.500 RS ratio: 0.001 to 9.999		116 *	<i>2. E×du</i>	Determination	-(Input 2_Input span) to +(Input 2_Input span)	-1	— F	011	Function block	functions, sum each value. This is the first parameter	_
66 ★	HSI	Area soak time	0 hours 00 minutes 00 seconds to 9 hours 59	0:00 (0 minutes	89	2. PLC	Input 2_PV low input cut-off	Input 2_Input span 0.00 to 25.00%	0.00			external disturbance	[Varies with the setting of the Decimal point position.]		ľ	,,,,	No. 11	symbol of Function block No.	
			0 hours 00 minutes to 99	00 seconds)				(When Control with PV select 0.00 to 25.00% of PV select	:	—	5-58	Setting group	This is the first parameter	_	145 _	БЕГ. КУ	Data	0: SET key method	0
			0 minutes 00 seconds to 199			חב_ב	Setting group	input span) This is the first parameter		* 117	MRS. P	No. 58 Cascade_	TC/RTD inputs:	TC/RTD	146	Fn. KY	FUNC key	0: Unused 1: RUN/STOP transfer	1
			[Data range of Area soak time		*		No. 30	symbol of Setting group No. 30		*		Proportional band	1 (0.1, 0.01) to Input 1_Input span (Unit: °C [°F])	inputs: 30			assignment	2: Autotuning (AT) (Common to Input 1 and 2)	
67		Link aroa	time unit.]	0	90 ♣	1 =	proportional	0.1 to 100.0 seconds	2.0			(master-side)	the Decimal point position.]	3.0				3: Input 1_Autotuning (AT) 4: Input 2_Autotuning (AT)	
*		number	0: No links	0	91	MEE	OUT3	0 to 1000 ms	0				0.0 to 1000.0% of Input 1_ Input span					5: Auto/Manual transfer (Common to Input 1 and 2)	
**	ו שרים	start time (up)	hours 59 minutes 0 minutes 00 seconds to 199	(0 minutes	*		ON/OFF time			118 ♣	MRS. I	Cascade_ Integral time	1 to 3600 seconds,0.1 to 3600.0 seconds or 0.01 to	240				6: Input 1_Auto/Manual transfer	
			minutes 59 seconds	seconds)	_		cycle					(master-side)	360.00 seconds [Varies with the setting of the					 7: Input 2_Auto/Manual transfer 	
			can be selected on the Soft start time unit.1		_	ן קטק	Setting group No. 51	This is the first parameter symbol of Setting group No. 51	. —	110	мас	Cascado	decimal point position.]	60				8: Remote/Local transfer (Including Cascade mode	
69	I. SFCa	Input 1_Soft start Time	0 hours 00 minutes to 99 hours 59 minutes	0:00	92 ♣	1. M. MV	Input 1_ Manual	Except Heating/Cooling PID control:	PID control:	*	ניוחס. מ	Derivative time	3600.0 seconds or 0.01 to 360.00 seconds	60				transfer, PV select transfer, 2-loop control/Differential	
		(down)	0 minutes 00 seconds to 199 minutes 59 seconds	00 seconds)			manipulated output value	Input 1_Output limiter low [heat-side] to Input 1_	-5.0 Heating/C			(0 (0.0, 0.00): PI action [Varies with the setting of the					temperature control transfer)	
			[Data range of Area soak time can be selected on the Soft	56661146)				Output limiter high [heat-side]	ooling PID control: 0.0				Integral/Derivative time decimal point position.]					9: Control area Local/External transfer	
70	I. SVRU	Input 1_	start time unit.] 0 to Input 1_Input span	0				-(Input 1_Output limiter		120 ♣	SLV. P	Cascade_ Proportional	1 (0.1, 0.01) to Input 2_Input	IC/RID inputs: 30				11: Hold reset (Common to	
**		Setting change rate limiter (up)	(When Control with PV select: 0 to PV select input span)					1_Output limiter high				(slave-side)	[Varies with the setting of the Decimal point position.]	3.0				12: Input 1_Hold reset	
			[Varies with the setting of the					MC-(V)COS(R) pressure/temperature control:					Voltage (V)/Current (I) inputs: 0.1 to 1000.0% of Input 2_					14: Set data unlock/lock transfer	
71	I. SVRd	Input 1_ Setting change	Same as Input 1_Setting chan	ige rate				Input 1_Output limiter low [heat-side] to whichever the		121	SLV. I	Cascade _	Same as Cascade _Integral tin	ne				15: Area jump 16: Parameter setting mode	
A		rate limiter (down)	(dp)					smaller value of either "calculated value from Input 1_		- 122	SLV. d	(slave-side) Cascade _	Same as Cascade _Derivative	time	147 F	п. ГУР	FUNC key	0: Press once	0
72 ♣★	1. R/M. F	Input 1_Auto/ Manual	0: No transfer 1: Auto mode (bumpless)	0				or "Input 1_Output limiter high		*		Derivative time (slave-side)	(master-side)				selection	1: Press and hold	
		transfer selection	2: Auto mode (bump) 3: Manual mode (bumpless)					Input 1_Output limiter low		123 ♣	E. dF	Cascade_ Digital filter	0.0 to 100.0 seconds 0.0: No function	10.0	- F	יחבי ו	Function block No. 21	This is the first parameter symbol of Setting group No.	—
		(When transferring	4: Manual mode (bump)		93	LIEV	Input 1 Level	limiter high [heat-side] Input 1 Input range low to	Input 1	124 *	L. SLH	Cascade_ Scale high	2_Setting limiter high	Setting	148	I. INP	Input 1_ Input	0: TC input K	Product
73	1. MV. F	Input 1_	PID control: -5.0 to +105.0%	Heating/C	*		PID setting 1	Input 1_Input range high (When Control with PV	Input range high	125	ר קרו	Cascade	Decimal point position.] Input 2_Setting limiter low to	Input 2			туре	2: TC input S	identificatio n code
** *		output value	-105.0 to +105.0%	control:				select:PV select input range low to PV select input range	(Control with PV	*		scale low	Cascade_Scale high [Varies with the setting of the	Setting limiter low				4: TC input B 5: TC input E	at the time
		transferring area)	mode (bump) or 4: Manual mode (bump) is selected in	Other				high) [Varies with the setting of the	select: PV select	126	2PV. LV	PV select	Input 1_Input range low to	Input 1_				6: TC input N 7: TC input T	
		,	Input 1_Auto/Manual transfer selection (Area)]	-5.0				Decimal point position.j	input range	-			[Varies with the setting of the Decimal point position.]	range high				8: TC input W5Re/W26Re 9: TC input PLII	
74 ♣★	2. SFFU	Input 2 Soft start	0 hours 00 minutes to 99 hours 59 minutes	0:00 (0 minutes	94	I. LEV a	Input 1_Level	Same as Input 1_Level PID se	high) etting 1	127 ♣	2PV. FM	PV select transfer time	0.0 to 100.0 seconds	0.0				10: TC input U 11: TC input L	
		time increase	0 minutes 00 seconds to 199 minutes 59 seconds	00 seconds)	• 95	I. LEVE	PID setting 2 Input 1_Level	Same as Input 1_Level PID se	etting 1	*	5~59	Setting group No. 59	This is the first parameter symbol of Setting group No. 59.	—				12: TC input PR40-20 13: RTD input Pt100	
	2.555		[Time unit depends on the Soft start time unit setting.]		♣ 96	I. LEVY	PID setting 3 Input 1_Level	Same as Input 1_Level PID se	etting 1	128	1. oSP	Input 1_ Overshoot	0: No					14: RTD input JPt100 15: Current 0 to 20 mA DC	
75 ♣★	с. 5FI а	Soft start	hours 59 minutes	0:00 (0 minutes	* 97	I. LEVS	PID setting 4 Input 1_Level	Same as Input 1_Level PID se	etting 1	_		prevention feature	1: Yes	0				17: Voltage 0 to 10 V DC 18: Voltage 0 to 5 V DC	
		ume decrease	minutes 59 seconds	seconds)	* 98	I. LEVE	PID setting 5 Input 1_Level	Same as Input 1_Level PID se	etting 1	*	5-60	Setting group No. 60	This is the first parameter symbol of Setting group No. 60.	—				19: Voltage 1 to 5 V DC 20: Voltage 0 to 1 V DC	
76	2 5V.RI	Input 2	start time unit setting.] 0 to Input 2 Input span	0	* 99	I. LEVT	PID setting 6 Input 1_Level	Same as Input 1_Level PID se	etting 1	129 ♣	2. oSP	Input 2_ Overshoot	0: No 1: Yes	0				21: Voltage input -10 to +10 V DC	
**		Setting change rate limiter (up)	0: No function [Varies with the setting of the		*	5-52	PID setting 7 Setting group	This is the first parameter	—			prevention feature						22: Voltage input -5 to +5 V DC	
77	2. SVRa	Input 2_	Decimal point position.] Same as Input 2_Setting chan	ige rate	* 100	2. M. MV	No. 52 Input 2_Manual	symbol of Setting group No. 52 Input 2_Output limiter low to	-5.0	_	5631	No. 91	Symbol of Setting group No. 91.	_				24: Voltage input 0 to 10 mV DC	
**		rate limiter	limiter (up)		*		manipulated output value	Input 2_Output limiter high Pressure/temperature control		130	I. PHLƏ	Peak hold	Input 1_Input range low - (Input 1_5% of input span) to Input 1_Input range high +	_				When MC-(V)COS(R) pressure control is selected	
78	2. R/M. F	Input 2_	0: No transfer	0				operation [MC-(V)COS(R)]: Input 2_Output limiter low to				monitor	(Input 1_5% of input span) [Varies with the setting of the					for Input 1_Control action: 15 to 24	
* *		transfer	2: Auto mode (bump) 3: Manual mode (bump)					of either "calculated value		131	I. BHLd	Input 1_	Decimal point position.] Same as Input 1_Peak hold mo	onitor	149 ♣	І. ЦНІ Г	Input 1_ Display unit	0: ℃ 1: °F	Product identificati
79	2 MV F	(Area)	4: Manual mode (bump) -5.0 to +105.0%	-5.0				(temperature) limiter" or "Input 2 Output limiter bigh	t			Bottom hold monitor							on code specified
**		Manipulated output value	[When settings either 2: Auto mode (bump) or 4: Manual					[heat-side]. When STOP is set, Input 2 Output limiter low	,	132	I. HL dR	Input 1_Hold reset	HaLd: Hold RESEF: Reset	HoLd	150				at the time of order.
		(Area)	mode (bump) is selected in Input 2_Auto/Manual transfer					[heat-side] to Input 2_Output limiter high [heat-side]		133	ב ונוס כ	Input 2 Peak	automatically after reset.		150	i. PudP	Decimal point	1: One decimal place	Product identificati
80	R/L. R	Remote/Local	When "Remote setting	0	101 ♣	2. LEV	Input 2_Level PID setting 1	Input 2_Input range low to Input 2_Input range high	Input 2_ Input	*		hold monitor	(Input 2_5% of input span) to Input 2_Input range high +	_			position	3: Three decimal places 4: Four decimal places	specified
** *		selection	function for Input 2		100	7 . 64-		[varies with the setting of the Decimal point position.]	range nign				(Input 2_5% of input span) [Varies with the setting of the					TC input: W5Re/W26Re, PR40-20: 0	of order.
		(******)	1: Local mode 2: Remote mode		*		PID setting 2	Same as input 2_Level PID se	etting 1	134	2. 6HLd	Input 2_ Bottom hold	Same as Input 2_Peak hold mo	onitor				(fixed) Thermocouples other than	inputs: 1
			 When "Cascade control" is selected at Select function 		*		PID setting 3	Same as input 2_Level PID se		135	2 비 리모	monitor	Same as Input 1. Hold reset					RTD input: 0 to 2	
			for input 2 0: No transfer		104	ב. נכייה	PID setting 4	Same as input 2_Level PID se	etting 1	*		reset						(When Control with PV select: Decimal point	
			Control When "Control with DV		100 *	2 !	PID setting 5	Same as Input 2 Level PID Se	atting 1	<u>н. е</u> Г	ngineerin	g Mode [きり・	+ <mode (2="" sec)]<="" td=""><td>Factory</td><td></td><td></td><td></td><td>position setting of Input 1 and Input 2 is compared and</td><td></td></mode>	Factory				position setting of Input 1 and Input 2 is compared and	
			select" is selected at Select		100 *	2 !	PID setting 6	Same as Input 2_Level PID Se	atting 1	No.	Symbol	Name	Data range	value	151	I. PGSH	Input 1_	the smaller will be used.) (Input 1_Input range low + 1	Product
			0: No transfer 1: Input 1		*	5-57	PID setting 7	This is the first non-meta-	Sung i	120	י יד וט כחריי	No. 10:	symbol of Function block No. 10.	1			Input range high	algit) to Input 1_Maximum value of input range	identificati on code
			2: Input 2 • When "2-loop control/		*	בכחב	No. 53	symbol of Setting group No. 53		130	3rtH	selection	1: Stop on SV display 2: Sop on MV display	'				Decimal point position.]	specified at the time
			Differential temperature control" is selected at Select		*	ı. HI B	bias	-(Input 1_Input span) to +(Input 1_Input span)		137	ALC	ALM lamp lighting	0 to 255 0: OFF	15				operation [MC-(V)COS(R)]) is set to Input 1 Control action	For V/I
			0: No transfer					-(PV select input span) to				condition	+1: Event 1 +2: Event 2 +4: Event 3					the set value for the parameter should be entered with the	100.0
			2: Differential temperature control					[Varies with the setting of the Decimal point position 1					+8: Event 4 +16: Input 1_Input error high					same pressure unit selected for Input 1_Valve coefficient F.	
<u>G. S</u>	etup Sett	ing Mode [667) + <mode]< td=""><td>l</td><td>109</td><td>І. АГГМ</td><td>Input 1_AT</td><td>0 hours 00 minutes to 48</td><td>-</td><td></td><td></td><td></td><td>+32: Input 1_Input error low +64: Input 2_Input error high</td><td></td><td>152</td><td>i. PüSL</td><td>Input 1_ Input range</td><td>Input 1_Minimum value of input range to (Input 1_Input</td><td>Product identificati</td></mode]<>	l	109	І. АГГМ	Input 1_AT	0 hours 00 minutes to 48	-				+32: Input 1_Input error low +64: Input 2_Input error high		152	i. PüSL	Input 1_ Input range	Input 1_Minimum value of input range to (Input 1_Input	Product identificati
No.	Symbol	Name	Data range	Factory set value	110	ן רוואר	monitor	0: AT/ST complete					To select two or more functions, sum each value				IOW	[Varies with the setting of the Decimal point position 1	on code specified
	5n 10	Setting group No. 10	I his is the first parameter symbol of Setting group No. 10.		*		status monitor	1: AT running now 2: ST running now		138	dSoP	PV flashing display at input	0: Flashing display 1: Non-flashing display	0				When 3 to 7 (pressure control operation [MC-(V)COS(R)]) is	of order.
81	PVES	Display update cycle	1: 50 ms* 6: 300 ms 2: 100 ms 7: 350 ms	1				-1: Aborted. Setting changed. -2: Aborted. Abnormal input.		139	I. dS. SK	error Show/Hide	0: Hide Input 2_SV	1				set to Input 1_Control action, the set value for the parameter	inputs: 0.0
			J. 100 ms 8: 400 ms 4: 200 ms 9: 450 ms 5: 250 ms 10:500 ms					-3: Aborted. Timeout. -4: Aborted. Abnormal		140	2. dS. SV	Input 1_SV Show/Hide	1: Show Input 1_SV 0: Hide Input 2_SV	1				should be entered with the same pressure unit selected	
			* When "Cascade control" or "2-loop control/ Differential		Ē	5-54	Setting group	Calculated values. This is the first parameter	-	* 141	1. d5. MV	Show/Hide	1: Snow Input 2_SV 0: Hide Input 2_SV 1: Show Input 1. Mariaulate t	1	153	I. Poľ	Input 1_Input	Input 1_Valve coefficient F. Input 1_Input error	Input 1_
			temperature control" is selected, Display update		* 111	2. AF 6	Input 2_AT	-(Input 2_Input span) to	0			put 1_IVIV	output value (MV) 2: Show Memory area soak				determination point (high)	Input 1_Input range high + (Input 1 5% of input span)	high + (Input
			cycle is 100 ms even when "1" is selected.		*		bias	+(Input 2_Input span) [Varies with the setting of the Decimal point position 1					time 3: Show Soft start time					[Varies with the setting of the Decimal point position.]	1_5 % of input span)
Ē	5n2	Setting group No. 21	This is the first parameter symbol of Setting group No. 21.		112	2. ALLW	Input 2_AT	0 hours 00 minutes to 48	-	142 ♣	2. JS. MV	Show/Hide Input 2_MV	0: Hide Input 2_SV 1: Show Input 2_Manipulated	1	154	i. Pun	Input 1_Input error	Input 1_Input range low - (Input 1_5% of input span) to	Input 1_ Input
82	1. PE	Input 1_PV bias	-(Input 1_Input span) to +(Input 1_Input span)	0	113	2 FIIME	monitor	0: AT/ST complete					output value (MV) 2: Show Memory area soak				determination point (low)	Input 1_ Input error determination point (high)	range low - (Input 1_
			(When Control with PV select: -(PV select input span) to +(PV select input span))		*		status monitor	1: AT running now 2: ST running now		140		Select hiddan	3: Show Soft start time	0				Decimal point position.]	input span)
			[Varies with the setting of the Decimal point position 1					-1: Aborted. Setting changed.-2: Aborted. Abnormal input.		143	אסרו .כם	items in Monitor mode	0:Show all +1: Remote setting input	U				set to RTD, low limit value is about 2 Ohms (Pt100)	
83	I. dF	Input 1_PV digital filter	0.0 to 100.0 seconds 0.0: No function	0.0				-3: Aborted. Timeout. -4: Aborted. Abnormal					value monitor +2: Manipulated output					-245.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7	
84	I. PR	Input 1_PV ratio	0.500 to 1.500	1.000		1		calculated values.	1	1			value (MV) monitor +4: Comprehensive event		155	І. ГЕЛЕ	Input 1_	°F]) 0: No temperature	1
85 ♣	I. PLC	Input 1_PV low input cut-off	0.00 to 25.00% of Input 1_ Input span	0.00									state +8: Memory area soak time		*		lemperature compensation	compensation calculation 1: With temperature	
1			(When Control with PV select: 0.00 to 25.00% of PV select							1			+16: Soft start time To select two or more		шL		calculation	compensation calculation	1

Oymbol	Name	Data range	Factory set value				18: Memory area transfer (16points, Without area					value monitor [heat side] 6: Input 1_Manipulated output					+4: Event 3 +8: Event 4	
156 І. Боб ♣	Input 1_ Burnout	0: Upscale 1: Downscale	0				set signal) 19: Memory area transfer (16					value [cool-side] 7: Input 2_Measured value					+16: Input 1_Input error high +32: Input 1_Input error low	
157 . SQR	direction Input 1_	0: Unused	0				points, With area set signal)					(PV) 8: Input 2_Local SV					+64: Input 2_Input error high +128: Input 2_Input error low	
*	Square root extraction	1: Used		171	di SL2	DI2 function	20: Area jump 0 to 14	0				9: Input 2_SV monitor value 10: Input 2_Deviation		205		DO2 logio	functions, sum each value.	
158 NV *	Input 1_ Inverting input	0: Unused 1: Used	0	172	ביסיג	DI3 function	(0 to 14)	0				output value		203	DOLUC	calculation	calculation selection	U
— Fn22 *	Function block No. 22	This is the first parameter symbol of Function block No.	_	172	כוב ים	selection	Same as DI1 function selection	0				value 13: Measured value (PV) of		206	doLG3	DO3 logic calculation	Same as DO1 logic calculation selection	0
159 2. INP	Input 2_Input	0: TC input K	16	173	di SL4	DI4 function selection	0 to 14 Same as DI1 function selection	0				differential temperature input		207	doLG4	selection DO4 logic	Same as DO1 logic	0
*	туре	2: TC input S 3: TC input R		174	di SLS	DI5 function	(0 to 14) 0 to 14	0	192 ♣	RHS	Retrans- mission output	No retransmission output, N Input 1_Measured value re	lo etransmi-			calculation selection	calculation selection	
		4: TC input B 5: TC input E		*		selection	Same as DI1 function selection (0 to 14)				1 Scale high	(PV), Input 1_Local SV, Input 1_SV monitor value, or	sion output,	_	Fnyl	Function block No. 41	This is the first parameter symbol of Function block No.	—
		6: TC input N 7: TC input T		175 *	di SL6	DI6 function selection	0 to 14 Same as DI1 function selection	0				value: M	Alleasured	208	EVA I	Event 1	41. 1: Input 1	1
		8: TC input W5Re/W26Re 9: TC input PLII		176	diinv	DI logic invert	0 to 14) 0 to 31	0				Input 1_Input range high In (When Control with PV Lo	nput 1_ .ocal SV,	*		assignment	2: Input 2 3: Differential temperature	
		10: TC input U 11: TC input L 12: TC input BB40.20		*			+1: RUN/STOP transfer					select: PV select input range low to PV select S	nput 1_ SV monitor	209	E5 I	Event 1 type	0: None	1
		13: RTD input Pt100					+4: Remote/Local transfer (Cascade mode					input range high) va [Varies with the setting of R	alue, and Remote				monitor value) ¹⁾ 2: Deviation low (Using SV	
		15: Current 0 to 20 mA DC 16: Current 4 to 20 mA DC					transfer, PV2 PV select transfer, 2-loop					the Decimal point position.] se Input 1_Deviation: in	etting nput				monitor value) ¹⁾ 3: Deviation high/low (Using	
		17: Voltage 0 to 10 V DC 18: Voltage 0 to 5 V DC					control/Differential temperature control					+(Input 1_Input span) In IVaries with the setting of	nput 1_				SV monitor value) ¹⁾ 4: Band (Using SV monitor	
		19: Voltage 1 to 5 V DC 20: Voltage 0 to 1 V DC					+8: Set data unlock/lock					the Decimal point position.] ra Input 2_Measured value (0	ange high Control				5: Deviation high/low (Using	
		DC 22: Voltage input -5 to +5 V					+16: Direct/Reverse action transfer					(PV), Input 2_Local SV, and w Input 2_ SV monitor value: se	with PV select: PV				[High/Low individual	
		DC 23: Voltage 0 to 100 mV DC					To select two or more functions, sum each value.					Input 2_Input range low to Input 2_Input range high in	elect nput				6: Band (Using SV monitor value) [High/Low individual	
		24: Voltage input 0 to 10 mV DC		177	Ы ГІ М	Area switching time (Without	1 to 5 seconds	2				the Decimal point position.] hi	nigh) nout 1				setting] ¹⁾ 7: SV high (Using SV monitor	
		When Remote setting input is selected and		—	Fn30	area set signal) Function block	This is the first parameter	_				-(Input 2_Input span) to D +(Input 2_Input span) +	Deviation: -(Input 1_				value) 8: SV low (Using SV monitor	
		control is selected for Input				No. 30	symbol of Function block No. 30.					[Varies with the setting of the Decimal point position.] sp	nput pan)				9: Process high ²⁾	
		When Measured input 2 is selected and MC-(V)COS(R)		178	a5L i	OUT1 function selection	0: No assignment 1: Input 1_Control output	1				Manipulated output value: In -5.0 to +105.0% M	nput 2_ /leasured				11: Deviation high (Using local SV) ¹⁾	
		pressure control is selected for Input 2_Control action: 15					2: Input 1_Control output [cool-side] or [close-side]					differential temperature	nput 2_ ocal SV				12: Deviation low (Using local SV) ¹⁾	
160 2. UNI F	Input 2_	to 24 Same as Input 1_ Display unit					3: Input 2_Control output 4: Retransmission output					-(Input 1_Input span) to an +(Input 1 Input span) 2	ind Input				13: Deviation high/low (Using local SV) ¹⁾	
♣ 161 <i>2. P</i> []dP	Display unit	0: No decimal place	Same as				5: Logic calculation output (Event, Input error)					[Varies with the setting of the Decimal point position.]	nonitor alue:				15: Deviation high/low (Using local SV) '	
**	position	2: Two decimal places 3: Three decimal places	Input 1_ Decimal				o: KUN state output 7: Input 1_Manual mode state					In In	nput 2_ nput				individual setting] ¹⁾ 16: Band (Using local SV)	
		4: Four decimal places TC input:	position setting				8: Input 2_Manual mode state output					ln n	nput 2_ Deviation				[High/Low individual setting] ¹⁾	
		W5Re/W26Re, PR40-20: 0 (fixed)					9: Remote mode state output (Cascade control state					+ 	-(Input 2_ nput				17: SV high (Using local SV) 18: SV low (Using local SV)	
		those shown above: 0 to 1					output, Output of differential temperature,					sr M	pan) /anipulate				20: MV low [heat-side] ²⁾ 21: MV high [cool-side] ²⁾	
		Voltage (V)/Current (I) Input: 0 to 4					output of Control with PV select)						alue:				22: MV low [cool-side] ²⁾ 23: Process high/low	
162 2. PGSH *	Input 2_ Input range	TC/RTD input and Voltage (V)/Current (I) input (For other	Same as Input 1_				10: Input 1_Autotuning (AT) state output					M	Aeasured value (PV)				[High/Low individual setting] ²⁾	
	high	than Remote setting input): (Input 2_Input range low + 1	Input range high				11: Input 2_Autotuning (AT) state output					ot	of lifferential				 24: Process band [Hign/Low individual setting]²⁾ ¹⁾ Event hold and re-hold 	
		value of input 2_Maximum value of input range					12: Output while Set value of Input 1 is changing 13: Output while Set value of					te	emperatur input:				action is available. 2) Event hold action is	
		(Remote setting input): (Input 2_Input range low + 1					Input 2 is changing 14: Output of the		193	RLS	Retransmissio	Data range is the same as Retransmission output 1 scale hi	iah	210	EHo I	Event 1 hold	available. 0: Hold action OFF	0
		digit) to Input 1_Maximum value of input range					communication monitoring result		•••		scale low	[Factory set value] • No retransmission output, Input 1	1_			action	1: Hold action ON 2: Re-hold action	0
	Incut 0	[Varies with the setting of the Decimal point position.]		179	oSLZ	OUT2 function	15: FAIL output Same as OUT1 function	4				Measured value (PV), Input 1_Lc Input 1_SV monitor value, and R	ocal SV, Remote				Hold action or re-hold action cannot be set for event types	
*	Input 2_ Input range	(V)/Current (I) input (For other than Remote setting input):	Same as Input 1_ Input	180	oSL 3	OUT3 function	Selection Same as OUT1 function	4				setting input value: Input 1_Input low (Control with PV select: PV input range low)	ut range ' select	014		Event 4	for which hold action/re-hold action cannot be selected.	
	101	Input 2_Minimum value of input range to (Input 2_Input	range low	181	oLG i	OUT1 logic calculation	0 to 255 0: OFF	0				 Input 1_Deviation: -(Input 1_Input 2_Measured value (PV). 	out span) Input 2	211	EHI	Event 1 Differential gap	 If event assignment is set to either laput 1 or 	Deviation, Process
		range high - 1 digit) Voltage (V)/Current (I) input				selection	+1: Event 1 +2: Event 2					Local SV, and Input 2_SV monit Input 2_Input range low	itor value:				Differential temperature. 0 to Input 1 Input span	TC/RTD inputs: 2
		(Remote setting input): Input 1_Minimum value of input range to (Input 2 Input					+4: Event 3					 Input 2_Deviation: -(Input 2_Inp 	out span)				(Minon Control with P)/	
		input range to (input z_input					+8: Event 4					Manipulated output value: 0.0					select: 0 to PV select input	V/I input: 0.2% of
		range high - 1 digit) [Varies with the setting of the					+8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low			c		Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100	ntial				select: 0 to PV select input span) • If event assignment is set	V/I input: 0.2% of Input span
164 <u>2</u> . <i>Pa</i> V	Input 2_Input	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination	Input 2_	-			+8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error high +128: Input 2_Input error low To select two or more		*	Fn32	Function block No. 32	Manipulated output value: 0.0 Measured value (PV) of differentemperature input: -100 This is the first parameter symbol of Function block No. 32	ntial —				select: 0 to PV select input span) • If event assignment is set to Input 2 0 to Input 2_Input span	V/I input: 0.2% of Input span MV: 0.2
164 2. Poŀ ♣	Input 2_Input error determina-	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of	Input 2_ Input range high	182	oL 62	OUT2 logic	+8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic	0		Fn32 Roc	Function block No. 32 Retransmissio n output 2 type	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type	ntial — 0				 (when control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] 	V/I input: 0.2% of Input span MV: 0.2
164 <i>2. P⊔⁄</i>	Input 2_Input error determina- tion point (high)	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position 1	Input 2_ Input range high - (Input 2_ 5% of input span)	182	aL GZ	OUT2 logic calculation selection	+8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error high +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection	0		Fn32 Rođ RHSa	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high	ntial — 0 1 scale	212	EKE I	Event 1 timer	 select: 0 to PV select input span) If event assignment is set to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 	V/I input: 0.2% of Input span MV: 0.2
164 2. Pol∕ ♣ 165 2. PUN	Input 2_Input error determina- tion point (high) Input 2_Input error	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_5% of input span) to	Input 2_ Input range high - (Input 2_ 5% of input span) Input 2_ Input	182 . 183	oLG2	OUT2 logic calculation selection OUT3 logic calculation selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection 	0		Fn32 Rođ RHSđ RLSđ	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output	ntial 0 1 scale 1 scale	212	EVF 1 Fn42	Event 1 timer	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter instance for section back back 	V/l input: 0.2% of Input span MV: 0.2 0.0
164 2. Pov * 165 2. PUN	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low)	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input error determination point (high)	Input 2_ Input range high - (Input 2_ 5% of input span) Input 2_ Input range low - (Input 2_ range low -	182 . 183 184	aLGZ aLG3 E×C	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized/	 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection Same as OUT1 logic calculation selection 0 to 127 0: All outputs are energized 	0		Fn32 Rođ RHSđ RLSđ	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol.	ntial 0 1 scale 1 scale	212	EVF 1 Fn42	Event 1 timer Function block No. 42	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. 	V/l input: 0.2% of Input span MV: 0.2 0.0 —
164 2. Pol ^v * 165 2. PUN	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low)	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_5% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.]	Input 2_ Input range high - (Input 2_ 5% of input span) Input range low - (Input 2_ 5% of input span)	182 183 184	oLG3 oLG3 EXC	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection Same as OUT1 logic calculation selection 0 to 127 0: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +2: OUT2 de-energized 	0	* 194 195 * 196 * 196	Fn32 Roa RHSa RLSa Fn33	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output ligh Same as Retransmission output low This is the first parameter symbol of Function block No. 33.	ntial 0 1 scale 1 scale 	212 213 214	<u>ЕУГ I</u> Fn42 ЕУЯ2 F52	Event 1 timer Function block No. 42 Event 2 assignment Event 2 type	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment 	V/l input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol ⁷ * 165 2. PUN *	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low)	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, Iow limit value is about 2 Ohms. (Pt100: -245.5 °C	Input 2_ Input range high - (Input 2_ 5% of input span) Input range low - (Input 2_ 5% of input span)	182 . 183 184	oLGƏ oLGƏ EXC	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low +128: Input 2_Input error low +128: Input 2_Input error low to select two or more functions, sum each value. Same as OUT1 logic calculation selection 0 to 127 0: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +4: OUT3 de-energized +4: DO1 de-energized +4: DO1 de-energized +4: DO2 de-energized +4: DO2 de-energized +4: DO2 de-energized +4: DO2 de-energized 	0		Fn32 Roc RHSc RLSc Fn33 Ros	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low	ntial 0 1 scale 1 scale 1 scale 1 scale	212 	EVF 1 Fn42 EVR2 E52 EHo2	Event 1 timer Function block No. 42 Event 2 assignment Event 2 hold Event 2 hold	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 type Same as Event 1 hold action 	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol' 165 2. PUN 165	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low)	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input span span span span span span span span	Input 2_ Input range high - (Input 2_ 5% of input span) Input 2_ Input range low - (Input 2_ 5% of input span)	182	aLG3 aLG3 EXC	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +13: Input 1_Input error low +64: Input 2_Input error low +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +3: DO1 de-energized +3: DO3 de-energized +64: DO4 de-energized 	0		Fn32 Roc RHSc RLSc Fn33 Roc RHSc	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low Same as Retransmission output 1 type Same as Retransmission output low Same as Retransmission output low Same as Retransmission output 1 type Same as Retransmission output low Same as Retransmission output 1 type Same as Retransmission output high	ntial 0 1 scale 1 scale 1 scale 1 scale	212 	ЕУГ I FnЧ2 ЕУЯ2 ЕН2 ЕН2 	Event 1 timer Function block No. 42 Event 2 assignment Event 2 type Event 2 hold action Event 2 Differential gap	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 type Same as Event 1 differential g 	V/I input: 0.2% of Input span MV: 0.2 0.0 —
164 2. Pol ² 165 2. PUN 166 2. FEJE 166 2. FEJE	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_5% of input span) to Input 2_Input range low - (Input 2_5% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (P1100: -245.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1 With temperature	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ Input 2_ Input 4 S% of input span)	182	aLGā aLGā EXC	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error low +64: Input 2_Input error low +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection Same as OUT1 logic calculation selection 0 to 127 0: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +4: OUT3 de-energized +6: DO2 de-energized +64: DO3 de-energized To select two or more functions, sum each value. 	0	• • 194 • 195 • 196 • • 197 • • 198 • • 199	Fn32 Roa RHSa RLSa Fn33 Ro3 RHS3 RHS3	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low	ntial 0 1 scale 1 scale 1 scale 1 scale 1 scale 1 scale	212 	ЕУГ I FnЧ2 ЕУЯ2 ЕНо2 ЕН2 ЕУГ2 FnЧ3	Event 1 timer Function block No. 42 Event 2 type Event 2 hold action Event 2 hold action Event 2 bold Differential gap Event 2 timer Function block	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 timer This is the first parameter 	V/I input: 0.2% of Input span MV: 0.2 0.0 — ap
164 2. Pol/ 165 2. PUN 166 2. FEJE 166 2. FEJE	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_S% of input span) to Input 2_S% of Input span) (Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (P1100: -235.6 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1: With temperature compensation calculation	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ Input 2_ 5% of input span) 1 1 1 1 1	182 183 184 184	oLG3 oLG3 EXE I LS	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection Same as OUT1 logic calculation selection 0 to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT3 de-energized +3: DO1 de-energized +3: DO3 de-energized +64: DO4 de-energized +64: DO4 de-energized +64: DO4 de-energized +64: DO4 de-energized to 255 O: OFF +1: Event 1 	0 0 0 0 0		Fn32 Rocc RH5c RL5c Fn33 Rocc RH5c RL5c Fn34	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter Same as Retransmission output low	ntial 0 1 scale 1 scale 1 scale 1 scale 1 scale	212 	ЕУГ I FnЧ2 ЕУЯ2 ЕН2 ЕН2 ЕН2 ЕУГ2 FnЧ3	Event 1 timer Function block No. 42 Event 2 type Event 2 hold action Event 2 timer Function block No. 43	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 type Same as Event 1 type Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 43. 	V/l input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEUE 167 2. bo5	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] ************************************	Input 2_ Input range high - (Input 2_ 5% of input span) Input range low - (Input 2_ 5% of input span) 1 1	182	oLG3 oLG3 EXC	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection Oto 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +4: OUT3 de-energized +8: DO1 de-energized +16: DO2 de-energized +16: DO2 de-energized +102 de-energized To select two or more functions, sum each value. 0 to 255 OFF +1: Event 1 +2: Event 3 	0 0 0 0 0 0		Fn32 Ru53 RH53 RL53 Fn33 Ru53 RL53 Fn34	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 scale high Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34.	ntial 0 1 scale 1 scale 1 scale 1 scale 1 scale	212 	ЕУГ I FnЧ2 ЕУЯ2 ЕНо2 ЕНо2 ЕИ2 FnЧ3 ЕУЯ3	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 hold action Event 2 bold action Event 2 bold Event 2 timer Function block No. 43 Event 3 assignment Event 3	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 timer This is the first parameter symbol of Function block No. 43. 	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. 605 168 2. SGR *	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (P1100: -237.6 *°C [-395.7 °F]) 0: No temperature compensation calculation 0: Upscale 1: Downscale 0: Unused 1: Used	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ Input 2_ range low - (Input 2_ 5% of input span) 1 0	182 183 184	aLG3 aLG3 EXC	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +8: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low +64: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection 3 and as OUT1 logic calculation selection 0 to 127 O: All outputs are energized +1: OUT1 de-energized +1: OUT3 de-energized +1: DOUT4 de-energized +1: DO1 de-energized +32: DO3 de-energized +4: DO4 de-energized to select two or more functions, sum each value. 0 to 255 O: OFF +1: Event 1 +2: Event 4 +16: Input 1_Input error 	0		Fn32 Roa RH5a RL5a Fn33 Ro3 RL53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output ligh Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output ligh Same as Retransmission output ligh Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output ligh	ntial 0 1 scale 1 scale 1 scale 1 scale 1 scale 0 1 scale 0 0	212 213 * 214 215 216 217 - 218 * 219 220	ЕУГ I FnЧ2 EУR2 EHa2 EHa2 EV72 FnЧ3 EVR3 EVR3 EHa3	Event 1 timer Function block No. 42 Event 2 assignment Event 2 hold action Event 2 timer Function block No. 43 Event 3 assignment Event 3 blod action	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 type Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 type Same as Event 1 hold action 	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SDR 169 2. I N/	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Square root extraction Input 2_ Square root extraction input 4_ Inverting input 4_	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -245.5 °C [-409.8 *F], JPt100: -237.6 °C [-395.7 °F]) O: No temperature compensation calculation 1: With temperature compensation calculation 0: Upscale 1: Used 0: Unused 1: Used	Input 2_ Input range high - (Input 2_ 5% of input span) Input 2_ Input 2_ range low - (Input 2_ 5% of input span) 1 0 0	182	oLG3 oLG3 EXC	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low to select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +4: OUT3 de-energized +3: DO3 de-energized +64: DO4 de-energized +1: Event 1 +2: Event 4 +16: Input 1_Input error high +32: Input 1_Input error high +32: Input 1_Input error high +32: Input 1_Input error low 	0 0 0 0 0 0	* 194 195 * 196 * 197 * 198 * 199 * 199 * 200	Fn32 Roc RHSc RLSc Fn33 Roc RLSc RLS Fn34 doSL	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output	ntial 0 1 scale 1 scale 1 scale 1 scale 1 scale 1 scale 0 0 0	212 213 * 214 214 215 216 217 218 * 219 220 221	ЕУГ I FnЧ2 ЕУЯ2 ЕН2 ЕН2 ЕУГ2 FnЧ3 ЕУЯ3 ЕН3	Event 1 timer Function block No. 42 Event 2 assignment Event 2 type Event 2 type Event 2 hold action Event 2 timer Function block No. 43 Event 3 assignment Event 3 type Event 3 hold action Event 3 Differential action Event 3	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 hold action 	V/l input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SGR 169 2. I NI/ 169 2. I NI/ Pn23	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (Iow) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input range to Decimal point position.] *When Input type of Input 2 is RTD, Iow limit value is about 2 Ohms. (Pt100: -245.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1: With temperature compensation calculation 0: Upscale 1: Used 0: Unused 1: Used This is the first parameter symbol of Function block No	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ range low - (Input 2_ 5% of input span) 1 1 0 0 0	182	oLG3 oLG3 EXC	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error rol w +64: Input 2_Input error rol w +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection Ot o 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +4: OUT3 de-energized +64: DO1 de-energized +64: DO4 de-energized To select two or more functions, sum each value. O to 225 O: OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error high +128: Input 2_Input error 	0	-* 194 195 * 196 * 197 * 199 * 199 * 199 * 200	Fn32 Roa RH5a RL5a Fn33 Ro3 RL53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output ligh Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output ligh Same as Retransmission output ligh Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input terror) 2: RUN state output 3: Input 1_Manual mode state output	ntial 0 1 scale 1 scale 1 scale 1 scale 1 scale 0 0 0 0	212 213 * 214 215 216 217 218 * 219 220 221 222	ЕУГ I FnЧ2 EVR2 EHa2 EHa2 EV72 FnЧ3 EV73 EV73 EV73 EV73 EV73 EV73 EV73 EV7	Event 1 timer Function block No. 42 Event 2 type Event 2 hold action Event 2 hold action Event 2 timer Function block No. 43 Event 3 timer Event 3 timer Event 3 timer Function block	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 sype Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 type Same as Event 1 hold action 	V/l input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SGR 169 2. I N// 	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 DI1 function	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_5% of input span) to (Input 2_5% of input span) to (Input 2_5% of input span) to Input 2_5% of input span) Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -237.6 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1: With temperature compensation calculation 0: Upused 1: Used 0: Unused 1: Used This is the first parameter symbol of Function block No. 23. 0: Unused	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ Input 2_ input span) Input 2_ 5% of input span) 1 0 0 0	182	oLG3 oLG3 EXC	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +16: Input 2_Input error low +64: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: OUT3 de-energized +32: DO3 de-energized +64: DO4 de-energized To select two or more functions, sum each value. O to 255 O: OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error high +32: Input 1_Input error high +128: Input 2_Input error high +128: Input 2_Input error high +128: Input 2_Input error high 	0	-* 194 * 195 * 197 * 198 * 199 * 199 * 200	Fn32 RH52 RL52 Fn33 RD5 RH53 RH53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output Sinput 1_Manual mode state output State output	ntial 0 1 scale 1 scale 1 scale 1 scale 1 scale 0 1 scale 0 0 0	212 213 214 215 216 217 218 219 220 221 222 	ЕУГ I FnЧ2 EУR2 EH2 EH2 EH2 EVГ2 FnЧ3 EH3 EH3 EH3 EH3 EH3 EH3 EH3 EH3 EH3	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 hold action Event 2 timer Function block No. 43 Event 3 assignment Event 3 hold action Event 3 Differential gap Event 3 bifferential gap Event 3 bifferential gap Event 3 bifferential gap Event 3 bifferential gap Event 3 bifferential gap Event 3 bifferential gap	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 type Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 differential g 	V/l input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 165 2. PUN 166 2. FEUE 167 2. bo5 168 2. SGR 169 2. I N/ 169 2. I N/ 170 dl SL 1	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input range to Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -245.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1: With temperature compensation calculation 0: Upscale 1: Downscale 0: Unused 1: Used This is the first parameter symbol of Function block No. 23. 0: Unused 1: RUN/STOP transfer 2: Auto/Manual transfer	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ Input 2_ 5% of input span) 1 1 0 0 0 0	182 183 184 185 185	aLG3 aLG3 EXC 1LS	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error rol w +64: Input 2_Input error rol w +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection Ot 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +4: OUT3 de-energized +8: DO1 de-energized +32: DO3 de-energized +64: DO4 de-energized To select two or more functions, sum each value. 0 to 255 OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error low +64: Input 2_Input error low +128: Input 1_Input error low +128: Input 1_Input error low +128: Input 2_Input error low -0 CFF 	0 0 0 0 0 0 0 0		Fn32 Roa RHSa RLSa Fn33 Roa RHSa RLSa Fn34 doSL	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 type Retransmissio n output 3 type Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output 3: Input 1_Manual mode state output 4: Input 2_Manual mode state output (Cascade control state output of the state outp	ntial 0 1 scale 1 scale 1 scale 1 scale 0 1 scale 0 0 0 0	212 213 * 214 215 216 217 - 220 221 220 221 222 - 223 *	ЕУГ I FnЧ2 EVR2 EHo2 EHo2 EHo2 FnЧ3 EVR3 EHo3 EHo3 EHo3 EH73 FnЧЧ	Event 1 timer Function block No. 42 Event 2 assignment Event 2 type Event 2 hold action Event 2 bold action Event 2 bolfferential gap Event 3 type Event 3 type Event 3 type Event 3 type Event 3 timer Function block No. 44 Event 4 assignment	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 type Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 system Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action 	V/l input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 166 2. FEJE 167 2. ba5 168 2. SGR 169 2. I N/ - Fn23 170 dl SL I	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -245.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1: With temperature compensation calculation 0: Upscale 1: Downscale 0: Unused 1: Used 0: Unused 1: Used 0: Unused 1: Used 0: Unused 1: Used 0: Unused 1: Used 0: Unused 1: RTD fransfer 2: Auto/Manual transfer (Common to Input 1 and 2) 3: Input 1_Auto/Manual	Input 2 Input range high - (Input 2 5% of Input 2 Input 2 Input 2 range low - (Input 2 5% of input span) 1 0 0 0 0	182 183 184 185 185	aLG3 EXC I LS	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +10: Input 1_Input error high +32: Input 1_Input error low +64: Input 2_Input error low +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection 0 to 127 0: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: DO1 de-energized +64: DO4 de-energized +64: DO4 de-energized +64: DO4 de-energized +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error high +128: Input 2_Input error high +128: Input 2_Input error low To select two or more functions, sum each value. 0 to 7 0 CFF +1: Event 4 +16: Input 2_Input error low +128: Input 2_Input error low 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-* 194 195 * 196 * 198 * 199 * 200	Fn32 Roa RH52 RL52 Fn33 Roa RH53 RH53 RL53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output 3: Input 1_Manual mode state output 5: Remote mode state output (Cascade control state output 0 f Control with DV)	ntial 0 1 scale 1 scale 1 scale 1 scale 0 1 scale 0 0 0	212 213 214 215 216 217 218 219 220 221 222 221 222 222 222 223 224 224	EVF I Fn42 E52 EHa2 EH2 EV72 Fn43 EV73 EV73 EH3 EV73 Fn44 EV74 EV74 EV74 EV74	Event 1 timer Function block No. 42 Event 2 type Event 2 hold action Event 2 timer Function block No. 43 Event 3 type Event 4 type Event 4 type	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 signment Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 differential g 	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SQR 168 2. SQR 169 2. I N/ Fn23 170 dI SL I	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Input 2_ Square root extraction Inverting input Function block No. 23 DI1 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_5% of input span) to Input 2_S% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1: With temperature compensation calculation 0: Upscale 1: Used 0: Unused 1: Used This is the first parameter symbol of Function block No. 23. 0: Unused 1: RUN/STOP transfer 2: Auto/Manual transfer 4: Input 2_Auto/Manual transfer	Input 2_ Input range high - (Input 2_ 5% of input span) Input 2_ Input 2_ 5% of input span) 1 0 0 0 0	182	οι με ε οι με ε ε χε ι με ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error rol w +64: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: OUT3 de-energized +3: DO3 de-energized +64: DO4 de-energized To select two or more functions, sum each value. O to 255 OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error high +32: Input 1_Input error high +128: Input 2_Input error high +12: Event 3 +8: Event 4 +16: Input 2_Input error high +128: Input 2_Input error high +128: Input 2_Input error high +12: Event 3 +8: Event 4 +16: Input 2_Input error high +128: Input 2_Input error high +12: Event 3 +11: Logic calculation output: Action continues +2: Retransmission output: Action continues +2: Retransmission output: Action continues 	0 0 0 0 0 0 0 0 0 0	-* 194 195 * 196 * 198 * 199 * 199 * 200	Fn32 Ru52 RL52 Ru53 Ru53 Ru53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 scale high Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output Sate output Same dutput 1 Cascade control state output (Cascade control state output of differential temperature, control state, Input 2 state output of Control with PV select) G. Input 1_Autotuning (AT)	ntial 0 1 scale 1 scale 1 scale 1 scale 0 1 scale 0 0 0 0	212 213 214 215 216 217 218 219 220 221 222 2223 224 225 226	ЕУГ I FnЧ2 EVR2 EHo2 EHo2 EHo2 EHo2 EHo2 EHo2 EHo2 EHo	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 hold action Event 2 bold action Event 2 bold Event 2 timer Function block No. 43 Event 3 type Event 3 timer Function block No. 44 Event 4 type Event 4 bold action Event 4 type	 (When Control with FV select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 type Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 type Same as Event 1 type Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 type Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 assignment Same as Event 1 type Same as Event 1 differential g Same as Event 1 assignment 	V/l input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SGR 169 2. I N/ 	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_Input range low - (Input 2_Input range low) (Input 2_S% of input span) to Input 2_Input range low) (Input 2_S% of Input 2 is RTD, low limit value is about 2 Ohms. (P1100: -245.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 0: Upscale 1: Downscale 0: Unused 1: Used 0: Unused 1: RUN/STOP transfer 2: Auto/Manual transfer (Common to Input 1 and 2) 3: Input 1_Auto/Manual transfer 4: Input 2_Auto/Manual transfer 5: Remote/Local transfer (Cascade mode transfer, Common to transfer	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ range low - (Input 2_ 5% of input span) 1 0 0 0 0	182	aLG3 EXC 1 LS	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error low +64: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +3: DO1 de-energized +4: DO1 de-energized +64: DO4 de-energized +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error low rodet input 2_Input error low table input 2_Input error low table input 2_Input error low rodet two or more functions, sum each value. 	0 0 0 0 0 0 0		Fn32 Roa RH5a RL5a Fn33 Roa RL53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output Si Input 1_Manual mode state output Ster output 4: Input 2_Manual mode state output Same as deventor state output 1 Control with PV select) for function low Same as control state output 1 type Same as control state output 1 type Same as the output Same as Retransmission output (Event, Input 2_state output S. Remote mode state output (Cascade control state output 0 f Ocntrol with PV select) for Input 1_Autotion (AT) state output This state output Same as Retransmised Same as Retransmission (AT) Same as	ntial 0 1 scale 1 scale 1 scale 1 scale 0 1 scale 0 0 0	212 213 * 214 215 216 217 - 218 * 219 220 221 222 222 222 222 222 222	ЕУГ I FnЧ2 EVR2 EHa2 EHa2 EV72 FnЧ3 EV73 EV73 EV73 EV73 EV74 EV74 EV74 EV74 EV74 EV74	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 hold action Event 2 timer Function block No. 43 Event 3 type Event 3 type Event 3 type Event 3 timer Function block No. 44 Event 3 timer Function block No. 44 Event 4 type Event 4 type Event 4 type Event 4 type Event 4 type Event 4 type Event 4 type	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 sype Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 assignment Same as Event 1 type Same as Event 1 type Same as Event 1 type Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 timer This is the first parameter symbol of Function block No. 44. Same as Event 1 timer This is the first parameter symbol of Function block No. 44. Same as Event 1 timer This is the first parameter symbol of Function block No. 44. Same as Event 1 hold action 	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SDR 169 2. I N/ 	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_5% of input span) to (Input 2_5% of input span) to Input 2_S% of Input span) 0 Kontemportation spansion.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -237.6 °C [-409.8 °F], JPt100: -237.6 °C [-409.8 °F], JPt100: -237.6 °C (-409.8 °F	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ Input 2_ 5% of input span) 1 0 0 0 0 0	182	оLG3 оLG3 ЕХС ILS	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error rol w +64: Input 2_Input error high +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: OUT3 de-energized +64: DO4 de-energized +64: DO4 de-energized To select two or more functions, sum each value. O to 255 O: OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error low +32: Input 1_Input error low tak: Input 2_Input error low tak: Input 2_Input error low tak: Input 2_Input error low tak: Retransmission output: Action continues +4: Retransmission output: Action continues +4: Retransmission output: Action continues To select two or more functions, sum each value. O to 7 O: OFF thermansission output: Action continues +2: Retransmission output: Action continues Action continues Continues To select two or more functions, sum each value. O to 7 O: OFF thermansission output: Action continues Retransmission output: Action continues Continues To select two or more functions, sum each value. O to 7 O: OFF thermansission output: Action continues Continues To select two or more functions, sum each value. O: OFF Continues Continues Continues Continues Continues Continues Continues Continues Continues Co	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 194 195 * 196 * 197 * 198 * 199 * * 200	Fn32 Rh52 Rh52 Rh53 Rh53 Rh53 Rh53 Rh53 Rh53 Rh53 Rh53	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output 3: Input 1_Manual mode state output 4: Input 2_Manual mode state output 10; Cascade control state output (Cascade control state output of Control with PV select) 6: Input 1_Autotuning (AT) state output 7: Input 2_Autotuning (AT) state output	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0	212 213 214 215 216 217 218 219 220 221 222 222 222 222 222 222	ЕУГ I FnЧ2 EVR2 EH2 EH2 EV72 FnЧ3 EV73 EV73 EV73 EV73 FnЧ4 EV74 EV74 FnSD	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 type Event 2 bold action Event 2 Differential gap Event 3 type Event 3 type Event 3 type Event 3 bold action Event 3 type Event 3 type Event 3 type Event 3 type Event 4 type	 (When Control with FV select: 0 to PV select input span) If event assignment is set to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 type Same as Event 1 type Same as Event 1 differential g Same as Event 1 type Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 type Same as Event 1 type Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 type Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 type Same as Event 1 hold action 	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SDR 169 2. I N/ 169 2. I N/ 170 dI SL I	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input range determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (P1100: -245.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) ©: No temperature compensation calculation 0: Upscale 1: Downscale 0: Unused 1: Used 0: Unused 1: RUN/STOP transfer 2: Auto/Manual transfer (Common to Input 1 and 2) 3: Input 1_Auto/Manual transfer 4: Input 2_Auto/Manual transfer 5: Remote/Local transfer (Cascade mode transfer, PV select transfer, 2-loop control/Differential temperature control transfer)	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ range low - (Input 2_ 5% of input span) 1 0 0 0 0	182 183 184 185 185	аL С а Е Х С I L S	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection Interlock selection Output action at control stop Event action during MAN mode	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error high +128: Input 2_Input error low r64: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection ame as OUT1 logic calculation selection 0 to 127 0: All outputs are energized +1: OUT1 de-energized +1: OUT3 de-energized +3: DO1 de-energized +4: OUT3 de-energized +3: DO3 de-energized +64: DO4 de-energized To select two or more functions, sum each value. 0 to 255 0: OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error low +32: Input 1_Input error low +32: Input 2_Input error low +32: Input 2_Input error low tation continues +4: Instrument status output: Action continues +1: No 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Fn32 Roa RH5a RL5a Fn33 Roa RL53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output Si Input 1_Manual mode state output Sate output Sate output Sate output of differential temperature, control state output of Control with PV select) Select) Control with PV select) Control with PV select) Control with PV select) Control with PV select) Coutput while Set value of Input 2_Autotuning (AT) state output Si Output while Set value of Input 2 is changing Output Y is changing	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0	212 213 214 215 216 217 2218 221 222 2223 224 2224 2225 2226 2227 2228	ЕУГ I FnЧ2 EVR2 EH2 EH2 EH2 EV72 FnЧ3 EV73 EV73 EV73 EV73 EV73 EV74 EV74 EV74 EV74 EV74 EV74 EV74 EV74	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 hold action Event 2 hold action Event 2 timer Function block No. 43 Event 3 timer Function block No. 43 Event 3 timer Function block No. 44 Event 3 timer Function block No. 44 Event 4 type Event 4 type Event 4 timer Function block No. 50 Hot/Cold start	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 sype Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 type Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 dimer 	V/l input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SQR 169 2. I N// 	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_S% of input span) to Input 2_Input range low - (Input 2_5% of input span) to Input 2_S% of Input span) Varies with the setting of the Decimal point position.] "When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -237.6 °C [-409.8 °F], JPt100: -237.6 °C [-409.8 °F],	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ Input 2_ 5% of input span) 1 0 0 0 0 0 0	182 183 184 185 185 185 186 186	аL С 2 аL С 3 Е X 2 I L 5 I L 5 55 	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error high +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: OUT3 de-energized +3: DO3 de-energized +64: DO4 de-energized +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error high +12: Retransmission output: Action continues +2: Retransmission output: Action continues +4: Instrument status output: Action continues +2: Retransmission output: Action continues +2: Retransmission output: Action continues +2: Retransmission output: Action continues +4: Instrument status output: Action continues +4: Instrument status output: Action continues +4: Action continues +4: Instrument status output: Action continues +4: Instrument status output: Action continues +4: Action continues Action continues 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-* 194 195 * 196 * 197 * 199 * 199 * 200	Fn32 Ru52 RL52 Fn33 Ru53 Ru53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output State output State output State output Same tate output (Cascade control state output (Cascade control state output (Cascade control state output filterential temperature, control state, Input 2 state output of differential temperature, control state, Input 2 state output Supper State o	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0	212 213 214 215 216 217 218 219 220 221 222 222 222 222 222 222	ЕУГ I FnЧ2 EУR2 EH2 EH2 EV72 FnЧ3 EV73 EV73 EV73 FnЧ4 EV74 EV74 Fn50 Pd	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 bold action Event 2 Differential gap Event 2 timer Function block No. 43 Event 3 type Event 3 type Event 3 type Event 3 bold action Event 3 Differential gap Event 4 timer Event 4 type Event 4 timer Function block No. 44	 (When Control with F v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 symmet Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 type Same as Event 1 type Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 type Same as Event 1 type Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 type Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action 	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SDR 169 2. I N/ → Fn23 170 dI SL I	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input range determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (P1100: -237.6 *C [-395.7*F]) ©: No temperature compensation calculation 0: Upscale 1: Downscale 0: Unused 1: Used 0: Unused 1: RUN/STOP transfer 2: Auto/Manual transfer (Common to Input 1 and 2) 3: Input 1_Auto/Manual transfer 4: Input 2_Auto/Manual transfer 5: Remote/Local transfer (Cascade mode transfer, PV select transfer, 2-loop control/Differential temperature control transfer) 6: Interlock release 7: Hold reset (Common to Input 1 and 2) 8: Input 1_Hold reset 0: Invest 1: Input 1_Noterset 1: Input 1_Hold reset 0: Invest 1: Input 1_Noterset 1: Input 1_Hold reset 0: Invest 1: Input 1_Hold reset 1: Input 1_Input 1: Input	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ range low - (Input 2_ 5% of input span) 1 0 0 0 0	182 183 184 185 186 187 187 188 187 188	۵۵۵۵ ۵۵۵۵ ۵۵۵۶ ۱۵۵۶ ۵۵۶۶ ۸۳۹۵ ۵۵۶۶	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection Interlock selection Output action at control stop Event action during MAN mode OUT1 type selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error high +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +1: OUT3 de-energized +2: OUT3 de-energized +3: DO1 de-energized +3: DO1 de-energized +4: DO1 de-energized +3: DO3 de-energized +64: DO4 de-energized To select two or more functions, sum each value. 0 to 255 0: OFF +1: Event 1 +2: Event 2 +4: Event 3 +3: Event 4 +16: Input 1_Input error low +32: Input 1_Input error low +32: Input 1_Input error low +12: Input 2_Input error low taction continues +4: Instrument status output: Action continues +4: Continuous voltage output (4 to 20 mA) 1: Continuous voltage output (0 to 20 mA) 	0 0 0 0 0		Fn32 Roz RH52 RL52 Fn33 Roz RL53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output Si Input 1_Manual mode state output Sate output Sate output of differential temperature, control state, output of differential temperature, control state, output of state output Subut 1_Autotuning (AT) state output Si Output while Set value of Input 2_schanging O: Output of the communication monitoring result 11: FALL output Si changing	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0	212 213 214 215 216 217 221 220 221 222 2223 222 222 222 222 22	ЕУГ I FnЧ2 EVR2 EH2 EH2 EH2 EH2 EH2 EH2 EH2 EH2 EH2 EH	Event 1 timer Function block No. 42 Event 2 type Event 2 hold action Event 2 hold action Event 2 hold action Event 2 timer Function block No. 43 Event 3 timer Function block No. 43 Event 3 timer Function block No. 44 Event 3 timer Function block No. 44 Event 4 timer Function block No. 50 Hot/Cold start	 (When Control with P v select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 dimer This is the first parameter Symb	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SGR 169 2. I N// 	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Square root extraction Input 2_ Square root extraction Input 2_ Square root extraction Input 2_ Square root extraction Selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_5% of input span) to Input 2_Input range low - (Input 2_5% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] "When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -237.6 °C [-409.8 °F], JPt100: -237.6 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 0: Upscale 1: Downscale 0: Unused 1: Used This is the first parameter symbol of Function block No. 23. 0: Unused 1: RUN/STOP transfer 2: Auto/Manual transfer (Common to Input 1 and 2) 3: Input 1_Auto/Manual transfer 5: Remote/Local transfer (Cascade mode transfer, PV select transfer, 2-loop control/Differential temperature control transfer) 5: Remote/Local transfer 1: Hold reset 7: Hold reset (Common to Input 1 and 2) 8: Input 1_Hold reset 9: Input 1_And (T) (Common to Input 1 and 2)	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ range low - (Input 2_ 5% of input span) 1 0 0 0 0 0	182 183 184 185 186 187 188 188 189	аL G2 аL G3 Е X2 I L S I L S SS ЛИГ I аUГ I	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error rol w +64: Input 2_Input error high +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: OUT3 de-energized +61: DO2 de-energized +62: DO4 de-energized +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error high +12: Input 2_Input error high +12: Retransmission output: Action continues +2: Retransmission output: Action continues +4: Instrument status output: Action continues +4: Instrument status output: Action continues 1: No O: Continuous voltage output (4 to 20 mA) O: Continuous voltage output (4 to 20 mA) 	0 0 0 0 0 0	-* 194 195 * 196 * 197 * 199 * 199 * 200	Fn32 Ro2 RH52 RL52 Fn33 RD5 RH53 RL53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output State output State output S. Remote mode state output (Cascade control state output, Output of differential temperature, control state, Input 2 state output of Control with PV select) 6: Input 1_Autotuning (AT) state output 3: Output while Set value of Input 1_is changing O: Output while Set value of Input 1_Control error state output 1: FALL output 12: Input 1_Control error state output	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0 0	212 213 214 215 216 217 218 219 220 221 222 223 224 224 225 226 227 228 228	EVF I Fn42 EVR2 EH2 EH2 EV72 Fn43 EV73 EH3 EV73 Fn44 EV74 Fn50 Pd rUn5L	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 bold action Event 2 Differential gap Event 2 timer Function block No. 43 Event 3 type Event 3 type Event 3 type Event 3 bold action Event 3 Differential gap Event 4 type Event 4 type Event 4 type Event 4 bold action Event 4 bold action Event 4 type Event 4 type Event 4 timer Function block No. 50 Hot/Cold start	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 sasignment Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 type Same as Event 1 type Same as Event 1 type Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 type Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SQR 168 2. SQR 169 2. I N/ Fn23 170 dI SL I	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input range determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -245.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1: With temperature compensation calculation 0: Upscale 1: Used 1: Used 1: Used 1: RUN/STOP transfer 2: Auto/Manual transfer (Cascade mode transfer, Cascade mode transfer, Cascade mode transfer, Cascade mode transfer, Cascade mode transfer, Cascade mode transfer, Cascade mode transfer, 2: Hold reset (Common to Input 1_And2) 8: Input 1_Hold reset 9: Input 2_Hold reset 1: Auto/Manual transfer) 6: Interlock release 7: Hold reset (Common to Input 1 and 2) 8: Input 1_Hold reset 9: Input 2_Autoluning (AT) 12: Input 2_Autouning (AT) 12: Input 2_Autouning (AT)	Input 2_ Input range high - (Input 2_ 5% of input span) Input 2_ Input 2_ 5% of input span) 1 0 0 0 0 0	182 183 184 184 185 187 186 187 187 188 189 190	۵۵۵۵ ۵۵۵۵ ۵۵۵۵ ۱۵۵۵ ۵۵۵۶ ۵۵۵۶ ۵۵۵۶ ۵۵۵۶	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection Interlock selection Output action at control stop Event action during MAN mode OUT1 type selection OUT2 type selection	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error rol w +64: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection Ot 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +4: OUT3 de-energized +3: DO3 de-energized +4: DO1 de-energized +3: DO3 de-energized +64: DO4 de-energized To select two or more functions, sum each value. O coFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error low +64: Input 2_Input error low +64: Inp	0 0 0 0 0 0 0 0 0 0	* 194 195 * 196 * 197 * 198 * 199 * 200	Fn32 Roa RH5a RL5a Fn33 Roa RL53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output State output Same de tate output Same de tate output (Cascade control state output, Output of differential temperature, control state, Input 2 state output of Control with PV select) 6: Input 1_Autotuning (AT) state output Soutput while Set value of Input 1_s changing O: Output while Set value of Input 1_control error state output 1_Control error state output 1_2. Input 1_Control error state output* Si Linput 2_Control error state output* Si Linput 2_Control error state output* Si Linput 3_Control	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0 0	212 213 214 215 216 217 218 219 220 221 222 2223 226 227 2228 229 230	ЕУГ I FnЧ2 EVR2 EHo2 EHo2 EHo2 EHo2 EHo2 EHo2 EHo2 EHo	Event 1 timer Function block No. 42 Event 2 type Event 2 hold action Event 2 hold action Event 2 bifferential gap Event 3 type Event 3 timer Function block No. 44 Event 4 timer Function block No. 50 Hot/Cold start RUN/STOP selection when power is restored MAN/AUTO	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 sype Same as Event 1 type Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 type Same as Event 1 assignment Same as Event 1 type Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 44. Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 50. Cold start 1 Hot start 1 Hot start 1 Hot start 2 Cold start 3: STOP start Follow the selected action when power is restored STOP start Tollow the selected action when power us restored STOP start Coperation immediately before power cut MAN 	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SGR 169 2. I N/ - Fn23 170 dI SL 1	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] "When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (P1100: -245.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1: With temperature compensation calculation 0: Upused 1: Downscale 0: Unused 1: Used 0: Unused 1: Used 0: Unused 1: Used 0: Unused 1: Used 0: Unused 1: RTD, Auto/Manual transfer 4: Input 1_Auto/Manual transfer 5: Remote/Local transfer (Cascade mode transfer, PV select transfer, PV select transfer, PV select transfer, PV select transfer, 2: Input 1_Hold reset 1: hout 1_and 2) 8: Input 1_Hold reset 1: Autouning (AT) (Common to Input 1 and 2) 11: Input 1_AutoUning (AT) 12: Input 1_AutoUning (AT) 13: Set data unlock/lock transfer	Input 2 Input range high - (Input 2 5% of input span) Input 2 range low - (Input 2 5% of input span) 1 0 0 0 0 0	182 183 184 185 186 187 188 188 189 190	۵۵۵۵ ۵۵۵۵ ۵۵۵۶ ۸۳۵۶ ۵۵۵۶ ۵۵۵۶ ۵۵۵۶	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection Interlock selection Output action at control stop Event action during MAN mode OUT1 type selection OUT2 type selection	 +8: Event 4 +16: Input 1_Input error high +12: Input 2_Input error high +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: DO1 de-energized +6: DO2 de-energized +6: DO3 de-energized +6: DO3 de-energized +6: DO4 de-energized +1: Event 3 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error high +32: Input 1_Input error high +12: Event 4 +16: Input 2_Input error high +12: Retransmission output: Action continues +2: Continuous voltage output (4 to 20 mA) Continuous voltage output (4 to 20 mA) Current output (4 to 20 mA) Current output (0 to 20 mA) 	0 0 0 0 0 0 0 0 0 0 1		Fn32 Ro2 RH52 RL52 Fn33 RD5 RL53 Fn34 do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 type Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output Sinput 1_Manual mode state output State output Same output of differential temperature, control state, Input 2 state output State output Control with PV select) B: Dupt 1_Autotuning (AT) state output Not part 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 1 is changing O: Output while Set value of Input 2 is changing Output while Set value of Input 2 is changing Output *	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0 0	212 213 214 215 216 217 218 219 220 221 222 222 222 222 2226 2227 2228 2228 2228 2229 2300	<u>ЕУГ I</u> FnЧ2 EVR2 EHa2 EHa2 EV72 FnЧ3 EV73 EV73 EV73 EV73 EV74 EV74 EV74 EHa4 EV74 Fn50 Pd rUn5L	Event 1 timer Function block No. 42 Event 2 assignment Event 2 type Event 2 type Event 2 block Event 2 block Event 2 block Event 3 block Event 3 type Event 3 type Event 3 type Event 3 type Event 3 block No. 44 Event 4 type Event 4 type Event 4 block No. 44 Event 4 type Event 4 block Event 4 block No. 50 Hot/Cold start RUN/STOP selection when power is restored MANAUTO	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 ssignment Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 hold actio	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SDR 169 2. I NV 	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input range determination point (high) [Varies with the setting of the Decimal point position.] *When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -245.5 °C [-409.8 °F]. JPt100: -237.6 °C [-395.7 °F]) 0: No temperature compensation calculation 1: With temperature compensation calculation 0: Upscale 1: Downscale 1: Used 1: RUN/STOP transfer 2: Auto/Manual transfer (Common to Input 1 and 2) 3: Input 1_Auto/Manual transfer 5: Remote/Local transfer, PV select transfer, PV 2: Hold reset 9: Input 2_Hold reset 9: Input 2_Hold reset 9: Input 1_Autot/Manual transfer 5: Remote/Local transfer, 2-loop control/Differential temperature control transfer 1: Input 1_Autot/Manual transfer 1: Input 1_Autot/Manual 1: Input	Input 2_ Input range high - (Input 2_ 5% of input span) Input 2_ Input 2_ 5% of input span) 1 0 0 0 0	182 183 184 184 185 186 187 188 189 190	۵۵۵۵ ۵۵۵۵ ۵۵۵۵ ۱۵۵۵ ۵۵۵۶ ۵۵۵۶ ۵۵۵۶ ۵۵۵۶	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection Interlock selection Output action at control stop Output action at control stop Event action during MAN mode OUT1 type selection OUT2 type selection Universal output type selection (OUT3) Function block No 31	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error rol w +64: Input 2_Input error rol w +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection 0 to 127 0: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: OUT3 de-energized +64: DO4 de-energized +64: DO4 de-energized +64: DO4 de-energized +10: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error high +32: Input 1_Input error high +128: Input 2_Input error high +128: Input 2_Inp	0 0 0 0 0 0 0 0 0 1	-* 194 195 * 196 *	Fn32 Rh52 Rh52 Rh53 Rh53 Rh53 Rh53 Rh53 Rh53 Rh53 Rh53	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output State output State output S. Remote mode state output (Cascade control state output for function fact, Input 2 state output Control state, Input 2 state output Sate output Control state, Input 2 state output for the communication monitoring result 11: FAIL output thile Set value of Input 1_s changing Output while Set value of Input 1 is changing Output while Set value of Input 12 is changing 10: Output of the communication monitoring result 11: FAIL output * 12: Input 1_Control error state output * 12: Input	ntial 0 1 scale 1 scale 1 scale 0 1 scale 0 0 0 0	212 213 214 215 216 217 218 219 220 221 222 222 222 222 222 222	ЕУГ I FnЧ2 EVR2 EH2 EH2 EV72 FnЧ3 EV73 EH3 EH3 EH3 EH3 EH3 EH4 EF04 EH4 EF04 EH4 EH4 EF04 EH4 EH4 EH4 EF04 EH4 EH4 EH4 EH4 EH4 EH4 EH4 EH4 EH4 EH	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 hold action Event 2 bold action Event 2 Differential gap Event 3 type Event 4 type Event	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 sype Same as Event 1 hold action Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 type Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 type Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 timer This is the first parameter symbol of Function block No. 50. O Hot start 1 Hot start 2 Cold start STOP start HON Operation immediately before power cut COCAL REMOTE 	V/I input: 0.2% of Input span MV: 0.2 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SGR 169 2. I N/ → Fn23 170 dI SL I	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_Input range low - (Input 2_Input range low) (Input 2_Input range low) (Input 2_Input range low) (Input 2_S% of input span) to Input 2_Input range determination point (high) [Varies with the setting of the Decimal point position.] "When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (P1100: -237.6 "C [-409.8 °F], JPt100: -237.6 "C [-400.8 °F], JPt100: -237.6 "C	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ range low - (Input 2_ 5% of input span) 1 0 0 0 0	182 183 184 185 186 187 188 187 188 189 190 101	ملاقة ملاقة الالا الالا ملاحة الالا ملاحة	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection Interlock selection Output action at control stop Event action during MAN mode OUT1 type selection OUT2 type selection OUT2 type selection Universal output type selection Universal output type selection solution Selection Solution OUT2 type selection	 Hes: Event 4 Hout 1_Input error high H32: Input 2_Input error high H28: Input 2_Input error low F128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized H1: OUT1 de-energized H20 UT3 de-energized H20 UT3 de-energized H20 UT3 de-energized H3: DO1 de-energized H3: DO2 de-energized H4: DUT3 de-energized H3: DO2 de-energized H4: DO4 de-energized H2: Event 3 Event 4 H1: Input 1_Input error high H32: Input 1_Input error high H32: Input 1_Input error high H32: Input 2_Input error high H2: Event 4 H1: Event 1 H2: Event 4 H2: Input 2_Input error high H32: Input 1_Input error high H28: Input 2_Input error high H28: Input 4 H31: Logic calculation output: Action continues H2: Cortinuous voltage output: Action continues Continuous voltage output (4 to 20 mA) Continuous voltage output (4 to 20 mA) Continuous voltage output (0 to 20 mA) Current output (0 to 20 mA)			Fn32 Roa RH5a RL5a Fn33 Roa RL53 Fn34 do5L do5L do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 type Retransmissio n output 3 scale low Function block No. 34 DO1 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output high Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output 3: Input 1_Manual mode state output Same and estate output (Cascade control state output 0 fControl with PV select) Control state, Input 2 state output 1 is changing O : No assign This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output S. Remote mode state output S. Remote mode state output S. Remote mode state output (Cascade control state output 0 fControl with PV select) 6: Input 1_Autouning (AT) state output 7: Input 2_Autotuning (AT) state output S. Output while Set value of Input 1 is changing Output of the communication monitoring result 1: FAIL output 12: FAIL output 12: Input 1_Control error state output* 13: Input 2_Control error state output* 13: Input 3 are displayed only when pressure is controlled by MC-COS(R). Same as DO1 function selection Same as DO1 function selection Same as DO1 function selection	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0 0	212 213 214 215 216 217 218 219 220 221 222 221 222 222 222 222	<u>Е</u> /Г I FnЧ2 EVR2 EH2 EH2 EV72 FnЧ3 EV73 EV73 EV73 EV73 EV73 EV74 EV74 EV74 EV74 EV74 EV74 EV74 EV74	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 hold action Event 2 hold action Event 2 timer Function block No. 43 Event 3 timer Function block No. 43 Event 3 timer Function block No. 44 Event 3 timer Function block No. 44 Event 4 type Event 5 type Event 4 type Event	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 bype Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 assignment Same as Event 1 assignment Same as Event 1 differential g Same as	V/I input: 0.2% of Input span MV: 0.2 0.0 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SGR 169 2. I N// 	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Square root extraction Input 2_ Input 2_ Square root extraction Input 2_ Square root extraction Input 2_ Square root extraction Selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_5% of input span) to Input 2_Input range low - (Input 2_5% of input span) to Input 2_Input error determination point (high) [Varies with the setting of the Decimal point position.] "When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (Pt100: -237.6 "C [-409.8 °F], JPt100: -237.6 "C [-400.9 °F], JPt100: -237.6 "C [-400.9 °F], JPt10	Input 2_ Input range high - (Input 2_ S% of input span) Input 2_ Input 5% of input span) 1 0 0 0 0 0	182 183 184 185 186 187 188 189 190 — 191	аL С 2 аL С 3 Е X С I L S I L S I L S S S S MMS аUГ I аUГ 2 UNI а E n 3 I R a I	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection Interlock selection Output action at control stop Output action at control stop Event action during MAN mode OUT1 type selection OUT2 type selection OUT2 type selection OUT2 type selection OUT2 type selection (OUT3) Function block No. 31 Retransmissio n output 1 type	 +8: Event 4 +16: Input 1_Input error high +32: Input 2_Input error high +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: OUT3 de-energized +4: OUT3 de-energized +64: DO4 de-energized +64: DO4 de-energized +10: de-energized +10: de-energized +32: DO3 de-energized +4: OUT3 de-energized +64: DO4 de-energized +64: DO4 de-energized +10: Input 1_Hout error high +32: Input 1_Input error high +12: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error high +128: Input 1_Input error high +128: Input 1_Input error high +128: Input 2_Input error high +128: Retransmission output: Action continues +2: Retransmission output: Action continues t+4: Instrument status output: Action continues t+4: Instrument status output: Action continues To select two or more functions, sum each value. O: Continuous voltage output (4 to 20 mA) Continuous voltage output (9 to 20 mA) 	0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	-* 194 195 - 196 - 197 - 198 - 200 - 201 - 202 -	Fn32 Ru52 RL52 Fn33 RL53 Fn34 do5L do5L do5L do5L do5L	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 scale high Retransmissio n output 3 scale high Retransmissio n output 3 scale low Function block No. 34 DO1 function selection DO2 function selection DO2 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output State output State output S. Remote mode state output (Cascade control state output of Control with PV select) for liput 1_Autotuning (AT) state output State output O: No uput while Set value of Input 1 is changing Output while Set value of Input 1 is changing Output while Set value of Input 1 as changing Output while Set value of Input 1 as changing Output while Set value of Input 1 as changing Output while Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1 as changing Output thile Set value of Input 1	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0 0 0 0 0	212 213 214 215 216 217 218 * 220 221 222 222 222 222 222 222	ЕУГ I FnЧ2 EVR2 EH2 EH2 EV72 FnЧ3 EV73 EH3 EH3 EH3 EH3 EH3 EH3 EH3 EH3 EH3 EH	Event 1 timer Function block No. 42 Event 2 type Event 2 type Event 2 hold action Event 2 type Event 2 hold action Event 3 Differential gap Event 3 type Event 3 hold action Event 3 bold action Event 3 Differential gap Event 3 timer Function block No. 44 Event 4 type Event 4 hold action Event 4 bold action Event 4 bold action Event 4 bold action Event 4 hold action Event 4 bold action Event 4 hold action Event 4 bold action Event 4 bolfferential gap Event 4 bolfferential gap Event 4 hold action Event 4 bolfferential gap Event 4 bolff	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 sype Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 timer This is the first parameter symbol of Function block No. 43. Same as Event 1 type Same as Event 1 assignment Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 hold	V/I input: 0.2% of Input span MV: 0.2 0.0 0.0
164 2. Pol/ 165 2. PUN 166 2. FEJE 167 2. bo5 168 2. SQR 169 2. I N/ 	Input 2_Input error determina- tion point (high) Input 2_Input error determina- tion point (low) Input 2_ Temperature compensation calculation Input 2_ Burnout direction Input 2_ Inverting input Function block No. 23 D11 function selection	range high - 1 digit) [Varies with the setting of the Decimal point position.] Input 2_Input determination point (low) to Input 2_Input range high + (Input 2_5% of input span) [Varies with the setting of the Decimal point position.] Input 2_Input range low - (Input 2_Input range low - (Input 2_Input range low - (Input 2_Input range low - (Input 2_S% of input span) to Input 2_Input range determination point (high) [Varies with the setting of the Decimal point position.] "When Input type of Input 2 is RTD, low limit value is about 2 Ohms. (P1100: -235.5 °C [-409.8 °F], JPt100: -237.6 °C [-395.7 °F]) ©: No temperature compensation calculation 0: Upscale 1: Downscale 1: Used 0: Unused 1: Used 0: Unused 1: RUN/STOP transfer 2: Auto/Manual transfer (Common to Input 1 and 2) 3: Input 1_Auto/Manual transfer 5: Remote/Local transfer (Cascade mode transfer, PV select transfer, 2-loop control/Differential temperature control transfer) 6: Interlock release 7: Hold reset (Common to Input 1 and 2) 8: Input 1_Auto/Ining (AT) 10: Autotuning (AT) 11: Input 1_Autotuning (AT) 12: Input 2_Hold reset 10: Autotuning (AT) (Common to Input 1 and 2) 8: Input 1_Autor, area set signal) 17: Memory area transfer (2 points, Without area set signal) 17: Memory area transfer (Bopints, Without area set signal) 17: Memory area transfer (Bopints, Without area set signal) 17: Memory area transfer (Bopints, Without area set signal)	Input 2_ Input range high - (Input 2_ 5% of Input 2_ Input 2_ range low - (Input 2_ 5% of input span) 1 0 0 0 0	182 183 184 185 186 187 188 189 190 191	ملاقة ملاقة الالا الالا ملاحة الالا ملاحة الالا ملاحة	OUT2 logic calculation selection OUT3 logic calculation selection Energized/ De-energized selection Interlock selection Output action at control stop Output action at control stop Event action during MAN mode OUT1 type selection Output type selection Output type selection Universal output type selection holock No. 31 Retransmissio n output 1 type	 +8: Event 4 +16: Input 1_Input error high +13: Input 2_Input error high +128: Input 2_Input error high +128: Input 2_Input error low To select two or more functions, sum each value. Same as OUT1 logic calculation selection O to 127 O: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +3: DO1 de-energized +4: DO1 de-energized +64: DO4 de-energized +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Input 1_Input error low +64: Input 2_Input error low +64: Input 2_Input error low +128: Input 2_Input error low to to 7 OFF +1: Logic calculation output: Action continues +2: Retransmission output: Action continues +4: Instrument status output: Action continues +4: Instrument status output: Action continues +4: Instrument status output: Action continues +2: Continuous voltage output (4 to 20 mA) Continuous voltage output (0 to 20 mA) O: Voltage pulse output 1: Current output (4 to 20 mA) Continuous voltage output 1: Current output (4 to 20 mA) Continuous voltage output 1: Current output (4 to 20 mA) Continuous voltage output 1: Current output (0 to 20 mA) Continuous voltage output 1: Current output (0 to 20 mA) Continuous voltage output 1: Current output (0 to 20 mA) Continuous voltage output 1: Current output (0 to 20 mA) Continuous voltage output 1: Current output (0 to 20 mA) Continuous voltage output 1: Current output (0 to 20 mA) Continuous voltage output	0 0 0 0 0 0 0 0 1 0 0 1 0	* 194 195 * 196 * 197 * 198 * 199 * 200 201 202 203	Fn32 Roa RH5a RH5a RL5a Fn33 Roa RL53 RL53 Fn34 do5L do5L a do5L a do5L a	Function block No. 32 Retransmissio n output 2 type Retransmissio n output 2 scale high Retransmissio n output 2 scale low Function block No. 33 Retransmissio n output 3 type Retransmissio n output 3 type Retransmissio n output 3 scale low Function block No. 34 DO1 function selection DO3 function selection DO3 function selection DO4 function selection	Manipulated output value: 0.0 Measured value (PV) of different temperature input: -100 This is the first parameter symbol of Function block No. 32. Same as Retransmission output 1 type Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 33. Same as Retransmission output low This is the first parameter symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output Sate output Sane the first parameter Symbol of Function block No. 34. O: No assignment 1: Logic calculation output (Event, Input error) 2: RUN state output Sate output Sunput 1_Aunual mode state output Sate output Sutput while Set value of Input 2_Autotuning (AT) state output Soutput while Set value of Input 1_S changing Output while Set value of Input 1 is changing Output while Set value of Input 2_Control error state output* 12 input 1_Autotion selection Same as DO1 function selection Same as DO1 function selection	ntial 0 1 scale 1 scale 1 scale 1 scale 0 0 0 0 0 0 0 0 0 0	212 213 214 215 216 217 228 220 221 222 222 222 222 222 222	EVF I Fn42 EVR2 EHo2 EHo2 EHo2 EHo2 EHo2 EHo2 EHo2 EHo	Event 1 timer Function block No. 42 Event 2 type Event 2 hold action Event 2 hold action Event 2 bold action Event 3 pre Event 3 type Event 3 type Event 3 type Event 3 type Event 3 type Event 3 timer Function block No. 44 Event 4 timer Function block No. 44 Event 4 type Event 4 type Event 4 type Event 4 type Event 4 timer Function block No. 50 Hot/Cold start Bull Event 4 timer Function block No. 50 Hot/Cold start Cold start Event 5 Event 4 type Event 4 timer Function block No. 50 Hot/Cold start Event 5 Event 4 Differential gap Event 4 timer Function block No. 50 Hot/Cold start Event 4 timer Function block No. 50 Hot/Cold start Event 5 Event 4 Differential gap Event 4 timer Function block No. 50 Event 5 Event 4 Differential gap Event 4 timer Function block No. 50 Hot/Cold start Event 6 Event 6 Event 7 Event 7 Event 7 Event 7 Event 8 Event 8 Event 8 Event 8 Event 9 Event 9 Ev	 (When Control with P V select: 0 to PV select input span) If event assignment is set to Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value: 0.0 to 110.0% 0.0 to 600.0 seconds This is the first parameter symbol of Function block No. 42. Same as Event 1 assignment Same as Event 1 sype Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 differential g Same as Event 1 type Same as Event 1 hold action Same as Event 1 assignment Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 hold action Same as Event 1 differential g Same as Event 1 timer This is the first parameter symbol of Function block No. 44. Same as Event 1 timer This is the first parameter symbol of Function block No. 50. Chot start 1 Hot start 2 Cold start 3: STOP start Follow the selected action when power is restored Cistop Hourd D Operation immediately before power cut COCAL EXT Operation immediately before power cut EXT Operation immediately before power cut 	V/I input: 0.2% of Input span MV: 0.2 0.0 0.0

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No.	. Symb	ol Name	Data range	Factory set value	252 ♣	2. RUNE	Input 2_Input error low Action	Same as Input 1_Action (high) input error	2			speed learning parameter L3 set up			304 d	. L2	L1 0 up Input 2_ Response	0 to 9999 seconds	2
200	אוו כ	selection when power is	1: Output limiter low 2: Status immediately before	0	253	2. PSt	selection Input 2_ Manipulated	-5.0 to +105.0%	-5.0	277 .	LY	Input 1_ Response	0 to 9999 seconds	2			speed learning parameter		
234	1 MVI	Manual manipulated	0: The last manipulated output value	0		7 04	output value at input error	5.0.10 - 105.0%		070 /	5.1	parameter L4 set down	0.45.0000		305 a	. L3	Input 2_ Response	0 to 9999 seconds	2
		output value selection	(Balanceless-bumpless function) 1: Manual manipulated output	t	254 *	2. RM#	Input 2_ Manipulated output value at	-5.0 to +105.0%	-5.0	278 .	51	Input 1_ Response speed learning	0 to 9999 seconds	2			speed learning parameter L3 set up	1	
235	5 ГІ	RI(SV tracking	value 0 to 3 0: No SV tracking function	1	255 ♣	2. Pdf	STOP Input 2_Start determina-	0 to Input 2_Input span 0: Operation starts from any	0	279	57	parameter S1 0 up Input 1	0 to 9999 seconds	2	306 à	. L4	Input 2_ Response speed learning	0 to 9999 seconds	2
			+1: SV tracking at Remote/Local transfer*				tion point	start state selected by Hot/Cold start [Varies with the setting of the			20	Response speed learning		-	207		parameter L4 set down	0 to 0000 seconds	2
			*Including Cascade mode		256	2. LPI c	Input 2_ Level	Decimal point position.] 0: Switching by Memory area number	0	280 <i> </i> .	53	S2 0 down Input 1_	0 to 9999 seconds	2	307 [י ב	Response speed learning		2
			transfer, 2-loop control/ Differential temperature control transfer				selection	1: Switching by Set value (SV) (Level PID action) 2: Switching by Measured				Response speed learning parameter			308 2	. 52	parameter S1 0 up Input 2_	0 to 9999 seconds	2
236	3 I.d.	dP Integral/	To select two or more functions, add each value.	0	257	2 ! 40	Input 2	value (PV) (Level PID action)		281 .	54	S3 set up Input 1_ Response	0 to 9999 seconds	2			Response speed learning parameter	I	
200	, , , , ,	derivative time decimal point	1: One decimal place 2: Two decimal places	0	*	L. L/I_	Level PID Differential gap	[Varies with the setting of the Decimal point position.]	inputs: 2 V/I inputs:			speed learning parameter			309 2	. 53	S2 0 down Input 2_	0 to 9999 seconds	2
237 ♣	7 51	Startup tuning (ST) activation	0: Activate the Startup tuning (ST) function when the	0	-	Fn53	Function block	This is the first parameter	0.2	282 . *	Pc I	Input 1_No. of corrective	0 to 99 times (99: unlimited times)	99			speed learning	1	
		conditions	power is turned on; when transferred from STOP to RUN: or when the Set value		* 258	I. F	Input 1_valve	-1999 to 9999	0	283 .	Pc2	actions Input 1_ Corrective	0: Yes 1: No	1	310 2	. 54	S3 set up Input 2_ Response	0 to 9999 seconds	2
			(SV) is changed. 1: Activate the Startup tuning (ST) function when the		* 259	I. E	coefficient A Input 1_valve	-1999 to 9999	0	284 <i> </i> .	₽с∃	action repeat	0: Yes	0			speed learning parameter		
			power is turned on; or when transferred from STOP to	1	260 *	I. [Input 1_valve coefficient C	-1999 to 9999	0	-		actions for ramp control			311 ä	. Pc I	Input 2_No. of corrective	0 to 99 times (99: unlimited times)	99
			2: Activate the Startup tuning (ST) function when the Set		261 * 262	i. c I. E	coefficient d	-1999 to 9999	0	285 <u> </u> *	oLb	Input 1_ Lower range of corrective	0.0 to 105.0%	20.0	312 č	. Pc2	actions Input 2_Corrective	0: Yes 1: No	1
-	FnS I	Function block No. 51	value (SV) is changed. This is the first parameter symbol of Function block No.	—	* 263 *	I: F	Coefficient E Input 1_valve coefficient F	When Input 1_Control action is set to 3 to 6 or 8:	Product identificati	286 .	оНЬ	action amount Input 1_ Upper range of	0.0 to 105.0%	20.0	313 d	. Pc3	action repeat Input 2 Corrective	0: Yes 1: No	0
238	<u>3 I.</u> с	_5 Input 1_	51. 0: PID control (direct action)	Depends				0: kg/cm ² G 1: barg 2: psig	on code specified			corrective action amount	This is the first second of		314		actions for ramp control	0.0 to 105.0%	00.0
		Control action	2: Heating/Cooling PID control [Cooling linear	control type				3: kPaG 4: MPaG	of order	- Fuß	Ч	Function block No. 54	symbol of Function block No. 54.	—	\$14 (\$. oib	range of corrective	0.010103.0%	20.0
			type] 3: Pressure control operation [MC-COS(R)-3]	specified when orderina				is set to 7 or 9: 10: mmHg/Torr		287 2. *	R	Input 2_Valve coefficient A	Same as Input 1_Valve coefficient A Same as Input 1_Valve	0	315 d	. оНЬ	action amount Input 2_Upper range of	0.0 to 105.0%	20.0
			4: Pressure control operation [MC-COS(R)-16, 15 to 50 mm]					11: mbar 12: inHg 13: psi		289 2.	۵ ۲	coefficient b	coefficient b Same as Input 1_Valve	0			corrective action amount		
			5: Pressure control operation [MC-COS(R)-16, 65 to 150					14: kPa NOTE: The pressure unit to be entered for the pressure		♣ 290 ट. ♣	Ь	coefficient C Input 2_Valve coefficient d	coefficient C Same as Input 1_Valve coefficient d	0			Franklar	This is the first second second second	
			6: Pressure control operation [MC-COS(R)-21]					value is defined by the valve coefficient F. To use a		291 2. * 292 7	E	Input 2_Valve coefficient E Input 2_Valve	Same as Input 1_Valve coefficient E When Input 1_Control action	0 Same as	— / •	nob I. oRUc	block No. 56	of Function block No. 56. 0.0 to 1000.0%/seconds of	0.0
			7: Pressure control operation [MC-VCOS(R)] 8: Temperature control					value pressure unit indicated on the valve coefficient plate,		*	,	coefficient F	is set to 3 to 6 or 8: 0: kg/cm2	Input 1_ Valve	*		Output change rate limiter (up)	manipulated output 0.0: No function	
			operation [MC-COS(R)-16] 9: Temperature control operation [MC-VCOS(R)]					by referring to the instruction manual as well as "Note 1:					2: psig 3: kPaG	F (pressure	317	. oRdc	[heating side] Input 1_	0.0 to 1000.0 %/seconds of	0.0
			For cascade control, only 0 or 1 is selectable. For PV select, only 0 to 2 are		264 ♣	I. GSL	Input 1_ valve coefficient F	Valve coefficient F". 0: Atmospheric (gauge) pressure standard	Product				4: MPaG When Input 1_Control action is 7 or 9:	unit)	÷		change rate limiter (down)	0.0: No function	
			selectable. In the case of Control with PV	,			pressure standard	1: Absolute pressure standard	on code specified				10: mmHg/Torr 11: mbar 12: inHg		318 ♣	. RMV c	[cool-side] Input 1_ Manipulated	-5.0 to +105.0 %	-5.0
239	9 I. ol	RU Input 1_	select, only "0 to 2 are selectable. 0.0 to 1000.0%/seconds of	0.0	265	1. VSL	Input 1_	0: MC-VCOS(R)	of order 0				13: psi 14: kPa Refer to "Note 1: Valve				output value at STOP [cool-side]		
*		Setting change rate limiter (up) [heat-side]	manipulated output 0.0: No function		* 266	I. PrL	Control valve selection Input 1_	1: PC-VCOS(R) When Input 1_Control action	When a	293 2.	GSL	Input 2_	coefficient F". 0: Atmospheric pressure	Same as	319 *	US	Undershoot suppression	0.000 to 1.000	1.000
240 ♣	D I. al	Rd Input 1_ Output change rate limiter (down)	0.0 to 1000.0%/seconds of manipulated output	0.0	*		Pressure (Temp) Limiter	is set to 3 to 7: Input 1_Input range low to Input 1_Input range high	setting other than "7" is	*		standard for Valve	1: Absolute pressure standard	standard for Input	320 ♣	dЪРЯ	Overlap/ Deadband	0.0 to 1.0	0.0
241	1 I. Rol	[heat-side] #E Input 1_Input	0: Control continues (with the	2				When Input 1_Control action is set to 8: Valve coefficient	selected in Input			coemcient F		coefficient	— F	n57	point Function	This is the first parameter symbol	
		error high Action selection	1: Manipulated output value at input error (Manual					Coefficient $F = 0$ (kg/cm ²): 0.00 to 99.99	action: 0 When a	294 <i>2</i> . ♣	V SL	Input 2_ Control valve selection	0: MC-VCOS(R) 1: PC-VCOS(R)	0	* 321	ьгмэр	block No. 57 Bottom	of Function block No. 57. 0: Unused	0
			mode) 2: Manipulated output value at input error (Auto mode)					0.00 to 99.99 Coefficient $F = 2$ (psig): 0.0	setting "7" is selected in Input	295 <u>2</u> . *	PrL	Input 2_ Pressure (Temp) Limiter	When Input 2_Control action is set to 3 to 7:	When a setting other than	No.	Symbol	function	2: FF amount is forcibly added Data range	Factory set
242	2 I. AUI	NE Input 1_Input error low	Same as Input 1_Action (high) input error	2				to 999.9 Coefficient F = 3 (kPaG): 0 to 9999	1_Control action: Input			(Temp) Limiter	Input 2_Input range low to Input 2_Input range high When Input 2_Control action	"7" is selected in	{	n58	Function	This is the first parameter symbol of Function block No. 58	value —
243	3 I. P.	SM Input 1_	Heating/Cooling PID control:	Heat/cool				Coefficient F = 4 (MPaG): 0.000 to 9.999 When Input 1 Control action	range high				Valve coefficient Coefficient F = 0 (kg/cm2G):	Control action: 0	322	2PV	Select function for	0: Unused 1: Remote setting input	1
		Manipulated output value at input error	-5.0 to +105.0% Other control: -105.0 to +105.0%	PID control: 0.0				is 9: 0.0 to whichever the smaller					0.00 to 99.99 Coefficient F = 1 (barg): 0.00 to 99.99	When "7" is selected			input 2	2: 2-loop control/Differential temperature control 3: Control with PV select	
				Other control: -5.0				1_range high or 140.0 °C (280.0 °F)					Coefficient $F = 2$ (psig): 0.0 to 999.9 Coefficient $F = 3$ (kPaG): 0 to	in Input 2_ Control action:				4: Cascade control (Slave single ↔ Cascade) 5: Cascade control	
244	4 I. RI	M/ Input 1_ Manipulated	-5.0 to +105.0%	-5.0				according to the following conditions:					9999 Coefficient $F = 4$ (MPaG):	Input 2_Input				(Master single ↔ Cascade) 6: Input circuit error alarm Selectable range is limited	
		STOP [heat-side]						When Input type is set to Temperature input: Input 1_Display unit					When Input 2_Control action is 9:	range nign				depending on Input 1_ Control action.	
245	i. Pi	determina- tion point	(When Control with PV select: 0 to PV select input	5% or Input 1_ input span				When Input type is set to V/I input: Input 1_Temperature limiter unit					value of either Input 2_range high or 140.0 °C (280.0 °F)					When pressure control operation [MC-(V)COS(R)] is	
			span) 0: Operation starts from any start state selected by	(Control with PV select: 3%				Pressure (temperature) limiter function is OFF when 0 (0.0, 0.00, 0.000) is set					Select the temperature unit according to the following conditions:					selected: 0 to 2, 6 Heating/Cooling control: 0 to 3, 6	
			Hot/Cold start [Varies with the setting of the Decimal point position.]	of PV select input span)				[Varies with the setting of the Decimal point position, when a setting is other than 8 for					When Input type is set to Temperature input: Input 2_Display unit		323 / ♣	H5. AC	Cascade_ AUTO mode (master-side)	u: ⊨asy adjustment (AT: one cycle) 1: Load factor adjustment (AT: 2)	I C/RTD inputs: 0 V/I inputs:
246 ♣	6 I. LPI	Input 1_ Level PID action selection	0: Switching by Memory area number 1: Switching by Set value	0	267	l. Prur	Input 1_	Input 1_Control action.] Displayed when	Follows				When Input type is set to V/I input: Input 2_Temperature limiter unit		324 <u>4</u>	LV. AF	Cascade_ AUTO mode	cycles) 0: Easy adjustment (AT: one cycle)	1 TC/RTD inputs: 0
			(SV) (Level PID action) 2: Switching by Measured		*		Limiter unit	to Input type in Temperature control operation [MC-VCOS]	the unit specified at the time				Pressure (temperature) limiter function is OFF when 0 (0.0, 0.00, 0 000) is set		325	יםי רר	(slave-side)	1: Load factor adjustment (AT: 2 cycles)	V/I inputs:
247	1		Value I					 101 m. 	lot order	1 1					*	U	PV select	1: Switching by signal (Key, DI	Ŭ
*	7 I. LI	HS Input 1_	0 to Input 1_Input span	TC/RTD	268	l. ot	Input 1_	1: °F -50.0 to +50%	0.0				[Varies with the setting of the Decimal point position, when a setting is other then 0 for		200		trigger	and Communication)	
	7 I. LI	HS Input 1_ Level PID Differential gap	0 to Input 1_Input span (When Control with PV select: 0 to PV select input span)	TC/RTD inputs: 2 V/I inputs: 0.2	268 •	I. об I. нмя	Input 1_ Regression equation bias	0: 0 1: °F -50.0 to +50% 0: Yes	0.0	296 <u>2.</u> P	⁾ гип	Input 2_	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when	Same as	326 ♣	I CR	trigger Input circuit error alarm set value	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the	TC/RTD inputs: 10 V/I inputs:
	7 I. LI	HS Input 1_ Level PID Differential gap	0 to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.]	TC/RTD inputs: 2 V/I inputs: 0.2	268 * 269 *	I. ot I. EMF	Input 1_ Regression equation bias Input 1_ Response speed self-learning	0: Yes 1: °F -50.0 to +50% 0: Yes 1: No	0.0	296 Z. P) г и п	Input 2_ Temperature limiter unit	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS]	Same as Input 1_ Pressure (Temp)	326 *	I CR	trigger Input circuit error alarm set value	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.]	TC/RTD inputs: 10 V/I inputs: 5% of Input 1_ Input_span
*	7 I. LI	HS Input 1_ Level PID Differential gap Function block No. 52	Value (FV) (Level FID action) 0 to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52.	TC/RTD inputs: 2 V/l inputs: 0.2	268 * 269 * 270	I. он I. ЕМР I. Е	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection	0: 0 -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds	0.0	296 <u>2.</u> P * 297 2)run oh	Input 2_ Temperature limiter unit	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0%	Same as Input 1_ Pressure (Temp) limiter unit 0.0	326 * 		trigger Input circuit error alarm set value Function block No. 60	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60.	TC/RTD inputs: 10 V/I inputs: 5% of Input 1_ Input span
 * 248 *	7 I. LI Fn52	HS Input 1_ Level PID Differential gap Function block No. 52 oS Input 2_ Control action	 Value (FV) (Level FID action) 0 to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. 0: PID control (direct action) 1: PID control (reverse action) 3: Pressure control operation 	TC/RTD inputs: 2 V/l inputs: 0.2	268 * 269 * 270	I. ов I. ЕМР I. Е	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter	0: 0 -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds	0.0	296 <u>2</u> . P * 297 <u>2</u> .	ob LMC	Input 2_ Temperature limiter unit Input 2_ Regression equation bias Input 2	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0%	Same as Input 1_ Pressure (Temp) limiter unit	326 * 	і СЯ ~60 СМР5	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data	TC/RTD inputs: 10 V/I inputs: 5% of Input 1_ Input span 0
 * *	7 1. L1 Fn52	HS Input 1_ Level PID Differential gap Function block No. 52 aS Input 2_ Control action	 Value (FV) (Level FID action) 0 to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. 0: PID control (direct action) 1: PID control (reverse action) 3: Pressure control operation [MC-COS(R)-3] 4: Pressure control operation [MC-COS(R)-16, 15 to 50 	TC/RTD inputs: 2 V/l inputs: 0.2	268 * 269 * 270 271	1. eE 1. EMF 1. E	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response	0: 0 1: °F -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 6 6	296 2. P * 297 2. * 298 2.	ob EMF	Input 2_ Temperature limiter unit Input 2_ Regression equation bias Input 2_ Response speed	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No	Same as Input 1_ Pressure (Temp) limiter unit 0.0	326 * 327 *	I CA ~60 CMPS	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data	TC/RTD inputs: 10 V/I inputs: 5% of Input 1_ Input span 0
 * *	Fn52	HS Input 1_ Level PID Differential gap Function block No. 52 aS Input 2_ Control action	Action) Action) O to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. O: PID control (direct action) 1: PID control (reverse action) 3: Pressure control operation [MC-COS(R)-3] 4: Pressure control operation [MC-COS(R)-16, 15 to 50 mm] 5: Pressure control operation [MC-COS(R)-16, 65 to 150]	TC/RTD inputs: 2 V/l inputs: 0.2	268 * 269 * 270 271	I. сЕ I. ЕМР I. Е	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response speed learning parameter t2 0 down	0: 95 -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 6 6 6	296 2. P * 297 2. * 298 2. 299 2.	ob EMF	Input 2_ Temperature limiter unit Input 2_ Regression equation bias Input 2_ Response speed self-learning selection Input 2_	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No 0 to 9999 seconds	Same as Input 1_ Pressure (Temp) limiter unit 0.0 0 6	326 * 	I CR ∩60 CMPS	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol	and Communication) O to Input 1_Input span O to Input 1_Input span O to Input 1_Input span [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. O Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data transfer: lower word to upper word) 3: PLC communication	TC/RTD inputs: 10 V/I inputs: 5% of Input 1_ Input span 0
 * *	7 1. L1 Fn52	HS Input 1_ Level PID Differential gap Function block No. 52 aS Input 2_ Control action	 Value (FV) (Level FID action) 0 to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. 0: PID control (direct action) 1: PID control (reverse action) 3: Pressure control operation [MC-COS(R)-3] 4: Pressure control operation [MC-COS(R)-16, 15 to 50 mm] 5: Pressure control operation [MC-COS(R)-16, 65 to 150 mm] 6: Pressure control operation [MC-COS(R)-21] 	TC/RTD inputs: 2 V/l inputs: 0.2	268 * 269 * 270 271	I. EMF I. E I. E	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t2 0 down	0: 0 1: °F -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 6 6 6	296 <i>2. P</i> 297 <i>2.</i> * 298 <i>2.</i> 299 <i>2.</i>	ргил аb £ I	Input 2_ Temperature limiter unit Input 2_ Regression equation bias Input 2_ Response speed self-learning selection Input 2_ Response speed learning parameter	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No 0 to 9999 seconds	Same as Input 1_ Pressure (Temp) limiter unit 0.0 0 6	326 * 327 *	I CR ∩60 CMPS	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol	and Communication) 10 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data transfer: lower word to upper word) 3: PLC communication (MITSUBISHI MELSEC series special protocol OnA-compatible 20 frame	TC/RTD inputs: 10 V/I inputs: 5% of Input 1_ Input span 0
 * 248	7 I. LI Fn52	HS Input 1_ Level PID Differential gap Function block No. 52 no5 Input 2_ Control action	 action) to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. CPID control (direct action) Pressure control operation [MC-COS(R)-3] Pressure control operation [MC-COS(R)-16, 15 to 50 mm] Pressure control operation [MC-COS(R)-16, 65 to 150 mm] Pressure control operation [MC-COS(R)-21] Pressure control operation [MC-COS(R)-21] Pressure control operation [MC-COS(R)] Dessure control operation [MC-COS(R)-21] Pressure control operation [MC-VOS(R)] The total set of the set o	TC/RTD inputs: 2 V/I inputs: 0.2	268 * 269 * 270 271 272	I. EMF I. E I. E	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t3 set up	0: 0 1: °F -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 6 6 6 6	296 <i>2. P</i> * 297 <i>2.</i> * 298 <i>2.</i> 299 <i>2.</i> 300 <i>2.</i>	2r un ob EMF E 1 E2	Input 2_ Temperature limiter unit Input 2_ Regression equation bias Input 2_ Response selection Input 2_ Response speed learning parameter 11 0 up Input 2_ Response	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds	Same as Input 1_ Pressure (Temp) limiter unit 0.0 0 6 6	326 * 327 * 327 * 327	I CR n60 CMPS Rdd	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data transfer: lower word to upper word) 3: PLC communication (MITSUBISHI MELSEC series special protocol QnA-compatible 3C frame [format 4]) Original communication	TC/RTD inputs: 10 V/I inputs: 5% of Input 1_ Input span 0 0
* 248 *	7 I. LI Fn52	HS Input 1_ Level PID Differential gap Function block No. 52 aS Input 2_ Control action	 Value (FV) (Level FID action) to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. (PID control (direct action) 1: PID control (direct action) 1: PID control (direct action) 1: Pressure control operation [MC-COS(R)-3] 4: Pressure control operation [MC-COS(R)-16, 15 to 50 mm] 5: Pressure control operation [MC-COS(R)-16, 65 to 150 mm] 6: Pressure control operation [MC-COS(R)-21] 7: Pressure control operation [MC-VCOS(R)] 8: Temperature control operation [MC-COS(R)-16] 9: Temperature control 	TC/RTD inputs: 2 V/I inputs: 0.2	268 * 269 * 270 271 272 273	I. EMF I. E I. E	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t3 set up	0: 0 1: °F -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 6 6 6 6 6	296 2. P * 297 2. * 298 2. 299 2. 300 2.	огип 	Input 2_ Temperature limiter unit Input 2_ Response selection Input 2_ Response selection Input 2_ Response speed learning parameter 11 0 up Input 2_ Response speed learning selection Input 2_ Response speed learning server to up	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds	Same as Input 1_ Pressure (Temp) limiter unit 0.0 0 6 6	326 * 327 * 327 *	I CR ∩60 CMP5 Rdd	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol Device address	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data transfer: lower word to upper word) 3: PLC communication (MITSUBISHI MELSEC series special protocol QnA-compatible 3C frame [format 4]) Original communication protocol: 0 to 99 Modbus: 1 to 99 PLC communication: 0 to 30	TC/RTD inputs: 10 V/I inputs: 5% of Input 1_ Input span 0 0 0
* 248 *	7 I. LI Fn52	HS Input 1_ Level PID Differential gap Function block No. 52 aS Input 2_ Control action	 Value (FV) (Lever FID action) to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. (D) ED control (direct action) 1: PID control (direct action) 3: Pressure control operation [MC-COS(R)-3] 4: Pressure control operation [MC-COS(R)-16, 15 to 50 mm] 5: Pressure control operation [MC-COS(R)-16, 65 to 150 mm] 6: Pressure control operation [MC-COS(R)-21] 7: Pressure control operation [MC-COS(R)] 8: Temperature control operation [MC-COS(R)-16] 9: Temperature control operation [MC-VCOS(R)] In the case of Cascade control, only "0" or "1" is 	TC/RTD inputs: 2 V/I inputs: 0.2	268 * 269 * 270 271 272 272 273 274	I. EMF I. E I. E I. E	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t3 set up Input 1_ Response speed learning parameter t3 set up Input 1_ Response speed learning parameter t3 set up Input 1_ Response speed learning parameter t3 set up Input 1_ Response speed learning parameter t4 set down	0: 0 1: °F -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 6 6 6 6 2	296 2. P 297 2. * 298 2. 299 2. 300 2. 301 2.	2run ab EMF E1 E2	Input 2_ Temperature limiter unit Input 2_ Regression equation bias Input 2_ Response selection Input 2_ Response speed learning parameter 11 0 up Input 2_ Response speed learning parameter t2 0 down Input 2_ Response	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds	Same as Input 1_ Pressure (Temp) limiter unit 0.0 0 6 6 6	326 * 327 * 328 *	I CR ∩60 CMPS	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol Device address	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data transfer: lower word to upper word) 3: PLC communication (MITSUBISHI MELSEC series special protocol QnA-compatible 3C frame [format 4]) Original communication protocol: 0 to 99 Modbus: 1 to 99 PLC communication: 0 to 30	TC/RTD inputs: 10 V/I inputs: 5% of Input 1_ Input span 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 ₹ ₹ 248 ₹	7 1. L1 Fn52 3 2. d	HS Input 1 Level PID Differential gap Function block No. 52 DS Input 2 Control action Output change	 Value (FV) (Lever FID action) to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. (Di Di Dontrol (direct action)) PID control (direct action) PID control (direct action) Pressure control operation [MC-COS(R)-16, 15 to 50 mm] Pressure control operation [MC-COS(R)-16, 65 to 150 mm] Pressure control operation [MC-COS(R)-21] Pressure control operation [MC-COS(R)-11] Pressure control operation [MC-VCOS(R)] Temperature control operation [MC-COS(R)-16] Temperature control operation [MC-VCOS(R)] In the case of Cascade control, only "0" or "1" is selectable. 0.0 to 1000.0%/seconds of manipulated output 	TC/RTD inputs: 2 V/I inputs: 0.2	268 * 269 * 270 271 272 272 273 274	I. EMF I. E I. E I. E I. E	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t3 set up Input 1_ Response speed learning parameter t3 set up Input 1_ Response speed learning parameter t4 set down Input 1_ Response speed learning parameter t4 set down	0: 0 1: °F -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 0 6 6 6 6 2	296 2. P 297 2. 298 2. 299 2. 300 2. 301 2.	2run eb EMF E2 E3	Input 2_ Temperature limiter unit Regression equation bias Input 2_ Response selection Input 2_ Response speed learning parameter t1 0 up Input 2_ Response speed learning parameter t2 0 down Input 2_ Response speed learning parameter t2 0 down Input 2_ Response speed learning parameter t3 get up	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds	Same as Input 1_ Pressure (Temp) limiter unit 0.0 0 6 6 6	326 * 327 * 327 *	Γ CR ∩60 CMPS Rdd	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol Device address	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data transfer: lower word to upper word) 3: PLC communication (MITSUBISHI MELSEC series special protocol QnA-compatible 3C frame [format 4]) Original communication protocol: 0 to 99 Modbus: 1 to 99 PLC communication: 0 to 30 0: 2400 bps 1: 4800 bps	Criginal Inputs: 10 V/I inputs: 5% of Input 1_ Input span 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
248 * 2248 2245	7 1. L1 Fn52 3 2. d	HS Input 1_ Level PID Differential gap Function block No. 52 o5 Input 2_ Control action Control action RU Input 2_ Output change rate limiter (up) Rd Input 2_ Output change	 Value (FV) (Lever FID action) to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. C) PID control (direct action) 1: PID control (direct action) 1: PID control (direct action) 1: PID control (operation [MC-COS(R)-16, 15 to 50 mm] 5: Pressure control operation [MC-COS(R)-16, 65 to 150 mm] 6: Pressure control operation [MC-COS(R)-16, 65 to 150 mm] 6: Pressure control operation [MC-COS(R)] 8: Temperature control operation [MC-VCOS(R)] 8: Temperature control operation [MC-VCOS(R)] In the case of Cascade control, only "0" or "1" is selectable. 0.0 to 1000.0%/seconds of manipulated output 0.0: No function 	TC/RTD inputs: 2 V/I inputs: 0.2 1 1 0.0 0.0	268 * 269 * 270 271 271 272 272 273 274 275	I. EMP I. E I. E I. E I. E	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t3 set up Input 1_ Response speed learning parameter t4 set down Input 1_ Response speed learning parameter t4 set down Input 1_ Response speed learning parameter t4 set down	0: 0 1: °F -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 0 6 6 6 6 2 2 2	296 <i>∂</i> . <i>P</i> 297 <i>∂</i> . 298 <i>∂</i> . 299 <i>∂</i> . 300 <i>∂</i> . 301 <i>∂</i> . 302 <i>∂</i> .	2run 6b EMF E2 E3	Input 2_ Temperature limiter unit Input 2_ Regression equation bias Input 2_ Response speed learning parameter 11 0 up Input 2_ Response speed learning parameter 12 0 down Input 2_ Response speed learning parameter 12 0 down Input 2_ Response speed learning parameter 13 set up Input 2_ Response speed learning parameter 13 set up	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds	Same as Input 1_ Pressure (Temp) limiter unit 0.0 0 6 6 6 6	326 * 327 * 327 * 328 * 328 *	n60 CMPS Rdd	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol Device address Communicati on speed	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data transfer: lower word to upper word) 3: PLC communication (MITSUBISHI MELSEC series special protocol QnA-compatible 3C frame [format 4]) Original communication protocol: 0 to 99 Modbus: 1 to 99 PLC communication: 0 to 30 0: 2400 bps 1: 4800 bps 2: 9600 bps 3: 19200 bps 4: 38400 bps	Original communi- cation: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
248 * 2250 251	7 1. L1 Fn52 3 2. d 9 2. d	HS Input 1_ Level PID Differential gap Function block No. 52 o5 Input 2_ control action Control action RU Input 2_ Output change rate limiter (up) Rd Rd Input 2_Output change rate limiter (down) VE Input 2_Input 2_Input	 Value (FV) (Lever FID action) 0 to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. 0: PID control (direct action) 1: PID control (direct action) 3: Pressure control operation [MC-COS(R)-3] 4: Pressure control operation [MC-COS(R)-16, 15 to 50 mm] 5: Pressure control operation [MC-COS(R)-16, 65 to 150 mm] 6: Pressure control operation [MC-COS(R)] 8: Temperature control operation [MC-COS(R)-16] 9: Temperature control operation [MC-COS(R)] In the case of Cascade control, only "0" or "1" is selectable. 0.0 to 1000.0%/seconds of manipulated output 0.0: No function Same as Input 1_Action 	TC/RTD inputs: 2 V/I inputs: 0.2 1 1 0.0 0.0 0.0 2	268 * 269 * 270 271 272 272 273 274 275	I. E I. E I. E I. E I. E	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t3 set up Input 1_ Response speed learning parameter t4 set down Input 1_ Response speed learning parameter t4 set down Input 1_ Response speed learning parameter t4 set down Input 1_ Response speed learning parameter t1 0 up	0: 0 1: °F -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 0 0 6 6 6 6 2 2 2	296 <i>2</i> . <i>P</i> 297 <i>2</i> . * 298 <i>2</i> . * 300 <i>2</i> . 300 <i>2</i> .	2run 6b EMF E2 E3	Input 2_ Temperature limiter unit Regression equation bias Input 2_ Response speed self-learning selection Input 2_ Response speed learning parameter t1 0 up Input 2_ Response speed learning parameter t2 0 down Input 2_ Response speed learning parameter t3 set up Input 2_ Response speed learning parameter t4 set down	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds	Same as Input 1_ Pressure (Temp) limiter unit 0.0 0 6 6 6 6	326 * 327 * 327 * 327 * 328 * 329 *	пБО СMPS Rdd БPS	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol Device address Communicati on speed	and Communication) 1 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data transfer: lower word to upper word) 3: PLC communication (MITSUBISHI MELSEC series special protocol QnA-compatible 3C frame [format 4]) Original communication protocol: 0 to 99 Modbus: 1 to 99 PLC communication: 0 to 30 0: 2400 bps 1: 4800 bps 2: 9600 bps 3: 19200 bps 4: 38400 bps 5: 57600 bps	Criginal ommuni- cation: 0 Original communi- cation Modbus: 1 PLC communi- cation: 0 Modbus: 1 PLC communi- cation: 0 3
248 * 2248 * 250 * 251	7 1. L1 Fn52 3 2. d 9 2. d 1 2. Rol	HS Input 1_ Level PID Differential gap Function block No. 52 DS Input 2_ Control action Control action RU Input 2_ Output change rate limiter (up) Input 2_Output change rate limiter (up) Rd Input 2_Output change rate limiter (up) VE Input 2_Input error high Action selection	 Value (FV) (Lever FID action) to Input 1_Input span (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 52. PID control (direct action) Pressure control operation [MC-COS(R)-3] Pressure control operation [MC-COS(R)-16, 15 to 50 mm] Pressure control operation [MC-COS(R)-16, 65 to 150 mm] Pressure control operation [MC-COS(R)-21] Pressure control operation [MC-COS(R)-16] Temperature control operation [MC-COS(R)-16] Temperature control operation [MC-COS(R)-16] Temperature control operation [MC-COS(R)] In the case of Cascade control, only "0" or "1" is selectable. 0.0 to 1000.0%/seconds of manipulated output 0.0: No function Same as Input 1_Action (high) input error 	TC/RTD inputs: 2 V/I inputs: 0.2 1 1 0.0 0.0 2	268 ★ 269 ★ 270 271 272 272 273 274 275 276	I. E I. E I. E I. E I. E I. E	Input 1_ Regression equation bias Input 1_ Response speed self-learning selection Input 1_ Response speed learning parameter t1 0 up Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t3 set up Input 1_ Response speed learning parameter t4 set down Input 1_ Response speed learning parameter t4 set down Input 1_ Response speed learning parameter t4 set down Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t2 0 down Input 1_ Response speed learning parameter t2 0 down Input 1_ Response	0: 0 1: 0 -50.0 to +50% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds	0.0 0.0 0 0 6 6 6 6 2 2 2 2	296 <i>2</i> . <i>P</i> 297 <i>2</i> . * 298 <i>2</i> . * 300 <i>2</i> . 301 <i>2</i> . 302 <i>2</i> .	2run 6b E1 E2 E3 E4	Input 2_ Temperature limiter unit Input 2_ Regression equation bias Input 2_ Response speed learning selection Input 2_ Response speed learning parameter 11 0 up Input 2_ Response speed learning parameter 12 0 down Input 2_ Response speed learning parameter 13 set up Input 2_ Response speed learning parameter 13 set up Input 2_ Response speed learning parameter 14 set down Input 2_ Response	[Varies with the setting of the Decimal point position, when a setting is other than 8 for Input 1_Control action.] Displayed when "Voltage/Current input" is selected in Temperature control operation [MC-VCOS] 0: °C 1: °F -50.0 to +50.0% 0: Yes 1: No 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds 0 to 9999 seconds	Same as Input 1_ Pressure (Temp) limiter unit 0.0 0 6 6 6 6 6 2	326 * 327 * 327 * 328 * 328 * 329 * 3330	। СЯ ∩60 СМР5 ВР5 БГ Г	trigger Input circuit error alarm set value Function block No. 60 Communicati on protocol Device address Communicati on speed	and Communication) 0 to Input 1_Input span 0: No function [Varies with the setting of the Decimal point position.] This is the first parameter symbol of Function block No. 60. 0: Original communication protocol 1: Modbus (Order of data transfer: upper word to lower word) 2: Modbus (Order of data transfer: lower word to upper word) 3: PLC communication (MITSUBISHI MELSEC series special protocol QnA-compatible 3C frame [format 4]) Original communication protocol: 0 to 99 Modbus: 1 to 99 PLC communication: 0 to 30 0: 2400 bps 1: 4800 bps 2: 9600 bps 3: 19200 bps 4: 38400 bps 5: 57600 bps 0 to 11 Refer to Data bit configuration table	Criginal Inputs: 10 V/I inputs: 5% of Input 1_ Input span 0 0 0 0 0 0 0 0 0 0 0 0 3 0

331	I NF	Interval time	0 to 250 ms	10			monitor			
* 3332	EMRM	Communicati on response monitor	0 to 110F 1st digit: 0: Normal response 1: Overrun error 2: Parity error 4: Framing error 8: Receive buffer overflow Flow diagram If two or more errors occur, the error values are summed up. Errors are displayed in the hexadecimal format (0 to F). 2nd digit: 0 (fixed) 3rd digit: Reception status monitor * 4th digit: Transmission status monitor * *Each time signal is sent or received, 0 and 1 are displayed in turns.	_	NOT The valve meas enter prose propu To us coeff coeff Func	E: Valve cc pressure u e coefficien red in the p sure unit an erly. se a pressu ficient plate ficient in to ticient in to ticient in the state of the ticient in the ticient in the ticient in the ticient in the ticient in the ticient in the ticient in the ticient in the ticien	oefficient F init to be enter it F. Paramete pressure units nd the paramet ure unit other a, convert the gether with A, 8.8 Using with Jal.	red for the pressu res to be entered riget set value, and defined by the v eter do not match than the pressure valve coefficient C and E by refer h MC-COS/MC-V	ure value is defin in pressure units nd alarm set valu alve coefficient F n, the product will e unit indicated c and change the and change the COS" in the "Pau COS" in the "Pau	ed by the , such as e, must be F. If the I not operate on the valve valve ng valve rameters &

Data bit configuration table

Set value	Data bit	Parity bit	Stop bit
0	8	None	1
1	8	None	2
2	8	Even	1
3	8	Even	2
4	8	Odd	1
5	8	Odd	2
6	7	None	1
7	7	None	2
8	7	Even	1
9	7	Even	2
10	7	Odd	1
11	7	DppO	2

: Not configurable for Modbus

No	Symbol	Name	Data range	Factory set value
_	Fn62	Function block No. 52	This is the first parameter symbol of Function block No. 62.	
333 *	MP. REG	Register type	Mitsubishi PLC (MELSEC) 0: D register (data register) 1: R register (file register) 2: W register (link register) 3: ZR register (Method of specifying consecutive numbers when 32767 of R register is exceeded.)	0
334 *	MP. SRH	Register start number (High-order	0 to 15	0
335 ♣	MP. SRL	Register start number (Low-order	0 to 65535	1000
336	MP. Mod	Monitor item	12 to 65535	12
337 ♣	МР. 5ГЬ	Setting item register bias	0 to 65535	0
338 *	MP. LTM	Instrument link recognition time	0 to 255 seconds	5
339 ♣	MP. ГМо	PLC response	0 to 3000 ms	255
340 ♣	мр. 5гм	waiting time PLC communicati on start time	1 to 255 seconds	5
341 ♣	MP. SLL	Slave register bias	0 to 65535	80
342 *	MP. MRJ	Number of recognizable devices	0 to 30	8
_	Fn'IU	Function block No. 70	This is the first parameter symbol of Function block No. 70.	_
343	5642	Soft start/ setting change rate limiter selection	0: Soft start 1: Setting change rate limiter	0
344 *	SKLZ	Soft start time	0: m.s 1: h.m	0
345 ♣	5755	Soft start point	0: Measured value (PV) start 1: Zero point start	0
346 *	SKRL	Setting change rate limiter unit time	1 to 3600 seconds	60
347	SFdP	Soak time unit	0: 0 hours 00 minutes to 99 hours 59 minutes 1: 0 minutes 00 seconds to 199 minutes 59 seconds 2: 0 hours 0 minutes 0 seconds to 9 hours 59 minutes 59 seconds	1
—	Fn¶l	Function block No. 71	This is the first parameter symbol of Function block No. 71.	_
348	I. SLH	Input 1_Input range high	Input 1_Setting limiter low to Input 1_Input range high (When Control with PV select: Input 1_Setting limiter low to PV select input range high) [Varies with the setting of the Decimal point position.]	nput 1_ Input range high (Control with PV select: PV select Measured value (PV)/Input range bigb)
349	I. SLL	Input 1_ Setting limiter low	Input 1_Input range low to Input 1_Setting limiter high (When Control with PV select: PV select input range low to Input 1_Setting limiter high) [Varies with the setting of the Decimal point position.]	nign) Input 1_ Input range ow (Control with PV select: PV select Measured value (PV)/ Input range low)
*	Fn¶2	Function block No. 72	This is the first parameter symbol of Function block No. 72.	_
350 *	2. SLH	Input 2_ Setting limiter high	Input 2_Setting limiter low to Input 2_Input range high [Varies with the setting of the Decimal point position.]	Input 2_ Input range high
351 ♣	2. SLL	Input 2_ Setting limiter low	Input 2_Input range low to Input 2_Setting limiter high [Varies with the setting of the Decimal point position.]	Input 2_ Input range low
—	Fng I	Function block No. 91	This is the first parameter symbol of Function block No. 91.	
—	dEF	Initialization	1225: Start initialization Other values: Set values are maintained After the initialization, the value automatically returns to zero	0
—	WF	Integrated operating	0 to 65535 hours	
—	LCJ	time Peak hold monitor of ambient temperature	-120.0 to +120.0 °C	—
—	RoM	ROM version	The installed ROM version is displayed	_
_	SC-F7	Product identification code monitor	Product identification code is displayed. Use the UP or DOWN key to scroll the display horizontally (left or right)	
—	00000	Instrument	Instrument number is displayed	_

How to use Parameter select function

This instrument has a function that allows a user to specify desired screens to be displayed. This function is called Parameter select function. Up to 16 screens can be grouped together.

About Parameter select function

The Parameter select function allows grouping necessary screens into a single mode for display. Screens registered in the Setting lock mode are displayed in the Parameter select mode.

The screens displayed in this mode can be operated in the same manner as they are in the original mode

With the Parameter select function, the Setting lock mode screen and the Function block No. 91 in the Engineering mode cannot be registered

[How does Parameter select function work?]

Screen to register Setting lock mode Parameter select mode Monitor & SV setting mote Measured value Paramete (PV)/Set value (SV) Measured value PV)/Set value (SV setting 1 Displa Regis Operation transfer Parameter RUN/STOF select setting 2 transfe RUN/STOP tra Regis Parameter setting mode Paramete Event 1 set value (EV1) select setting 3 Displa Event 1 set (EV1) Regis Engineering mode Event 1 type Parameter select setting 4 Displa Event 1 type Regis Setup setting Paramete nput 1_PV bia select setting 5 Input 1_PV bias

How to register screens There are two ways to register screens

Screen number entry

Enter the predefined screen number on the Parameter select setting screen in the Setting lock mode. The registered screens in the Parameter select mode will be displayed. There are 16 Parameter select setting screens and these are freely settable. Unregistered screens, if any, will be skipped and screens are displayed in series in the Parameter select mode.



Direct registration

Activate the direct registration on the Parameter select direct registration screen in the Setting lock mode. Display the screen to register and press the \frown and \bigtriangledown keys simultaneously. The screen will be registered on the Parameter select setting screen.

- Control must be stopped before attempting the direct registration.
- When the direct registration is activated on the Parameter select direct registration screen, all modes except for the Setting lock mode will be locked.
- [To register screens]



[Registration example of screen number entry method] Register the following screens in the Screen number entry

method Input 1_Measured value (PV)/Input 1_Set value (SV) RUN/STOP transfer

- Event 1 set value (EV1)
- It is assumed here that Parameter select setting 1 to 3 will be used.
- 1. Check the screen number to register. The screen numbers can be found in the table of the list of parameters (this manual).



Blind Function

The Blind function is used to hide all screens except Parameter select mode, Setting lock mode, and Measured value (PV)/Set value (SV) monitor The Blind function can be set in the Setting lock mode.

When the blind function is activated, the instrument displays the Parameter select mode after displaying the model and the input type/range at the time of power-up

If all of the necessary screens are placed together in the Parameter select mode, there will be no need of switching screens to other modes.

[Operation flow when the Blind function is activated]



Example: Event 1 set value (EV1)

TLV EXPRESS LIMITED WARRANTY

Subject to the limitations set forth below, TLV CO., LTD., a Japanese corporation ("TLV"), warrants that products which are sold by it, TLV International Inc. ("TII") or one of its group companies excluding TLV Corporation (a corporation of the United States of America), (hereinafter the "Products") are designed and manufactured by TLV, conform to the specifications published by TLV for the corresponding part numbers (the "Specifications") and are free from defective workmanship and materials The party from whom the Products were purchased shall be known hereinafter as the "Seller". With regard to products or components manufactured by unrelated third parties (the "Components"), TLV provides no warranty other than the warranty from the third party manufacturer(s), if any.

Exceptions to Warranty

This warranty does not cover defects or failures caused by:

- improper shipping, installation, use, handling, etc., by 1. persons other than TLV, TII or TLV group company
- personnel, or service representatives authorized by TLV; or dirt, scale or rust, etc.; or 2 3.
- improper disassembly and reassembly, or inadequate inspection and maintenance by persons other than TLV or TLV group company personnel, or service representatives authorized by TLV; or
- disasters or forces of nature or Acts of God; or 4 abuse, abnormal use, accidents or any other cause beyond 5. the control of TLV, TII or TLV group companies; or
- improper storage, maintenance or repair; or 6. operation of the Products not in accordance with instructions 7. issued with the Products or with accepted industry practices;
- 8. use for a purpose or in a manner for which the Products were not intended; or
- use of the Products in a manner inconsistent with the 9. Specifications; or
- use of the Products with Hazardous Fluids (fluids other than 10 steam, air, water, nitrogen, carbon dioxide and inert gases (helium, neon, argon, krypton, xenon and radon)); or
- 11. failure to follow the instructions contained in the TLV Instruction Manual for the Product.

Duration of Warranty

This warranty is effective for a period of one (1) year after delivery of Products to the first end user. Notwithstanding the foregoing, asserting a claim under this warranty must be brought within three (3) years after the date of delivery to the initial buyer if not sold initially to the first end user.

ANY IMPLIED WARRANTIES NOT NEGATED HEREBY WHICH MAY ARISE BY OPERATION OF LAW, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ANY EXPRESS WARRANTIES NOT NEGATED HEREBY, ARE GIVEN SOLELY TO THE INITIAL BUYER AND ARE LIMITED IN DURATION TO ONE (1) YEAR FROM THE DATE OF SHIPMENT BY THE SELLER.

Exclusive Remedy

THE EXCLUSIVE REMEDY UNDER THIS WARRANTY UNDER ANY EXPRESS WARRANTY OR UNDER ANY IMPLIED WARRANTIES NOT NEGATED HEREBY (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE), IS REPLACEMENT; PROVIDED: (a) THE CLAIMED DEFECT IS REPORTED TO THE SELLER IN WRITING WITHIN THE WARRANTY PERIOD, INCLUDING A DETAILED WRITTEN DESCRIPTION OF THE CLAIMED DEFECT AND HOW AND WHEN THE CLAIMED DEFECTIVE PRODUCT WAS USED; AND (b) THE CLAIMED DEFECTIVE PRODUCT AND A COPY OF THE PURCHASE INVOICE IS RETURNED TO THE SELLER, FREIGHT AND TRANSPORTATION COSTS PREPAID, UNDER A RETURN MATERIAL AUTHORIZATION AND TRACKING NUMBER ISSUED BY THE SELLER. ALL LABOR COSTS, SHIPPING COSTS, AND TRANSPORTATION COSTS ASSOCIATED WITH THE RETURN OR REPLACEMENT OF THE CLAIMED DEFECTIVE PRODUCT ARE SOLELY THE RESPONSIBILITY OF BUYER OR THE FIRST END USER. THE SELLER RESERVES THE RIGHT TO INSPECT ON THE FIRST END USER'S SITE ANY PRODUCTS CLAIMED TO BE DEFECTIVE BEFORE ISSUING A RETURN MATERIAL AUTHORIZATION, SHOULD SUCH INSPECTION REVEAL. IN THE SELLER'S REASONABLE DISCRETION, THAT THE CLAIMED DEFECT IS NOT COVERED BY THIS WARRANTY, THE PARTY ASSERTING THIS WARRANTY SHALL PAY THE SELLER FOR THE TIME AND EXPENSES RELATED TO SUCH ON-SITE INSPECTION.

Exclusion of Consequential and Incidental Damages

IT IS SPECIFICALLY ACKNOWLEDGED THAT THIS WARRANTY, ANY OTHER EXPRESS WARRANTY NOT NEGATED HEREBY, AND ANY IMPLIED WARRANTY NOT NEGATED HEREBY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, DO NOT COVER, AND NEITHER TLV, TII NOR ITS TLV GROUP COMPANIES WILL IN ANY EVENT BE LIABLE FOR, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO LOST PROFITS, THE COST OF DISASSEMBLY AND SHIPMENT OF THE DEFECTIVE PRODUCT, INJURY TO OTHER PROPERTY, DAMAGE TO BUYER'S OR THE FIRST END USER'S PRODUCT. DAMAGE TO BUYER'S OR THE FIRST END USER'S PROCESSES, LOSS OF USE, OR OTHER COMMERCIAL LOSSES. WHERE, DUE TO OPERATION OF LAW, CONSEQUENTIAL AND INCIDENTAL DAMAGES UNDER THIS WARRANTY, UNDER ANY OTHER EXPRESS WARRANTY NOT NEGATED HEREBY OR UNDER ANY IMPLIED WARRANTY NOT NEGATED HEREBY (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) CANNOT BE EXCLUDED, SUCH DAMAGES ARE EXPRESSLY LIMITED IN AMOUNT TO THE PURCHASE PRICE OF THE DEFECTIVE PRODUCT. THIS EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES, AND THE PROVISION OF THIS WARRANTY LIMITING REMEDIES HEREUNDER TO REPLACEMENT, ARE INDEPENDENT PROVISIONS, AND ANY DETERMINATION THAT THE LIMITATION OF REMEDIES FAILS OF ITS ESSENTIAL PURPOSE OR ANY OTHER DETERMINATION THAT EITHER OF THE ABOVE REMEDIES IS UNENFORCEABLE. SHALL NOT BE CONSTRUED TO MAKE THE OTHER PROVISIONS UNENFORCEABLE

Exclusion of Other Warranties

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. AND ALL OTHER WARRANTIES. INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED.

Severability

Any provision of this warranty which is invalid, prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such invalidity, prohibition or unenforceability without invalidating the remaining provisions hereof, and any such invalidity, prohibition or unenforceability in any such jurisdiction shall not invalidate or render unenforceable such provision in any other jurisdiction.