

No.	Symbol	Name	Data range	Factory set value
1	—	Input 1_Measured value (PV)/ Input 1_Set value (SV)	PV display unit: Input 1_Input range low – (Input 1_5 % of input span) to Input 1_Input range high + (Input 1_5 % of input span) [Varies with the setting of the Decimal point position.] SV display unit: • Input 1_Set value (SV) (Auto mode: at RUN) • STOP display • Remote setting input value (at Remote mode) • Input 1_Manual manipulated output value (at Manual mode)	—
1	—	PV select Measured value (PV)/ Input 1_Set value (SV)	PV display unit: When controlling with Input 1: Input 1_Input range low – (Input 1_5 % of input span) to Input 1_Input range high + (Input 1_5 % of input span) When controlling with Input 2: Input 2_Input range low – (Input 2_5 % of input span) to Input 2_Input range high + (Input 2_5 % of input span) [Varies with the setting of the Decimal point position.] SV display unit: • Input 1_Set value (SV) (Auto mode: at RUN) • STOP display • Input 1_Manual manipulated output value (at Manual mode)	—
2	—	Input 2_Measured value (PV)/ Input 2_Set value (SV)	PV display unit: Input 2_Input range low – (Input 2_5 % of input span) to Input 2_Input range high + (Input 2_5 % of input span) [Varies with the setting of the Decimal point position.] SV display unit: • Input 2_Set value (SV) (Auto mode: at RUN) • STOP display • Input 2_Manual manipulated output value (at Manual mode)	—
3	—	Measured value (PV) of differential temperature input/ Set value (SV) of differential temperature input	PV display unit: –19999 to +99999 * –1999 to +9999 ** * In case of Input data type 0 or 2 ** In case of Input data type 1 [Varies with the setting of the Decimal point position.] SV display unit: –(Input 1_Input span) to +(Input 1_Input span) [Varies with the setting of the Decimal point position.]	—
4	—	Input 1_Measured value (PV)/ Input 2_Measured value (PV)	PV display unit: Input 1_Input range low – (Input 1_5 % of input span) to Input 1_Input range high + (Input 1_5 % of input span) [Varies with the setting of the Decimal point position.] SV display unit: Input 2_Input range low – (Input 2_5 % of input span) to Input 2_Input range high + (Input 2_5 % of input span) [Varies with the setting of the Decimal point position.]	—
24	1.	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
25	2.	Input 2_Set value (SV)	Input 2_Setting limiter low to Input 2_Setting limiter high [Varies with the setting of the Decimal point position.]	0
26		Set value (SV) of differential temperature input	–(Input 1_Input span) to +(Input 1_Input span) [Varies with the setting of the Decimal point position.]	0
5		Remote setting input value monitor	Input 1_Setting limiter low to Input 1_Setting limiter high [Varies with the setting of the Decimal point position.]	—
6	1.	Input 1_Manipulated output value monitor [heat-side]	–5.0 to +105.0 %	—
7	1.	Input 1_Manipulated output value monitor [cool-side]	–5.0 to +105.0 %	—
8	2.	Input 2_Manipulated output value monitor	–5.0 to +105.0 %	—
9		Current transformer 1 (CT1) input value monitor	0.0 to 100.0 A	—
10		Current transformer 2 (CT2) input value monitor	0.0 to 100.0 A	—

No.	Symbol	Name	Data range	Factory set value
11	<i>EVEN</i>	Comprehensive event state	When an event occurs, the character of the occurring event is displayed on the Set value (SV) display unit. If two or more events occur at the same time, the relevant characters are displayed alternately every 0.5 seconds. <i>EBF</i> 1: Event 1 <i>EBF</i> 2: Event 2 <i>EBF</i> 3: Event 3 <i>EBF</i> 4: Event 4 <i>HbA</i> 1: Heater break alarm 1 (HBA1) <i>HbA</i> 2: Heater break alarm 2 (HBA2) <i>LbA</i> 1: Control loop break alarm 1 (LBA1) <i>LbA</i> 2: Control loop break alarm 2 (LBA2) <i>i n</i> 1<i>UP</i>: Input 1 Input error high <i>i n</i> 1<i>dn</i>: Input 1 Input error low <i>i n</i> 2<i>UP</i>: Input 2 Input error high <i>i n</i> 2<i>dn</i>: Input 2 Input error low	—
12	<i>APT</i>	Memory area soak time monitor	0 hours 00 minutes 00 seconds to 9 hours 59 minutes 59 seconds * 0 hours 00 minutes to 99 hours 59 minutes 0 minutes 00 seconds to 199 minutes 59 seconds 0.00 seconds to 59.99 seconds (Calculation is performed every 50ms.) * Displayed only for when the input data type is 0 or 2. [Data range of Memory area soak time monitor can be selected on the Soak time unit.]	—
13	<i>ILR</i>	Interlock release	<i>aFF</i>: Interlock release <i>on</i>: Interlock state	<i>aFF</i>

No.	Symbol	Name	Data range	Factory set value
15	R/S	RUN/STOP transfer	rLn : RUN (Control start) $sf\ oP$: STOP (Control stop)	rLn
16	1. RFU	Input 1, Autotuning (AT)	αFF : PID control Start Autotuning When the Autotuning (AT) is finished, the control will automatically return to " αFF ."	αFF
17	2. RFU	Input 2, Autotuning (AT)	αFF : PID control Start Autotuning When the AT is finished, the control will automatically return to " αFF ."	αFF
18	1. SFU	Input 1, Startup tuning (ST)	αFF : ST unused $on\ I$: Execute once * αnC : Execute always * When the ST is finished, the control will automatically return to " αFF ."	αFF
19	2. SFU	Input 2, Startup tuning (ST)	αFF : ST unused $on\ I$: Execute once * αnC : Execute always * When the ST is finished, the control will automatically return to " αFF ."	αFF
20	1. R/M	Input 1, Auto/Manual transfer	$RUF\ o$: Auto mode rAn : Manual mode	$RUF\ o$
21	2. R/M	Input 2, Auto/Manual transfer	$RUF\ o$: Auto mode rAn : Manual mode	$RUF\ o$
22	R/L	Remote/Local transfer	* When "Remote setting input" is selected at Select function for input 2 LoC: Local mode rEn: Remote mode * When "Control with PV select" is selected at Select function for input 2 $I\ nP\ I$: Input 1 $I\ nP2$: Input 2 * When "2-loop control/Differential temperature control" is selected at Select function for input 2 $2Lo\ oP$: 2-loop control $d\ FF$: Differential temperature control	LoC
23	L/E	Control area Local/External transfer	LoC : Local mode $E\ FF$: External mode	LoC

No.	Symbol	Name	Data range	Factory set value
—	<i>LoCK</i>	Set data unlock/lock transfer	oFF: Unlock state oN: Lock state	oFF
—	<i>LCKLV</i>	Set lock level	0: Unlock 1: Lock 	00000
—	<i>ARELK</i>	Area lock	0: Memory area is adjustable when the setting data is locked. 1: Memory area is not adjustable when the setting data is locked.	0
—	<i>bLiNd</i>	Select Blind function	oFF: Blind function: OFF oN: Blind function: ON	oFF
—	<i>PRaLK</i>	Fix parameter setting	0: Adjustable 1: Fixed 	00000
—	<i>PSLd</i>	Parameter select direct registration	oFF: Direct registration: OFF oN: Direct registration: ON	oFF
—	<i>PSLO1</i>	Parameter select setting 1	0 to 313 (Screen No.) 0: No registration	0
—	⋮	⋮	⋮	⋮
—	<i>PSL16</i>	Parameter select setting 16	0 to 313 (Screen No.) 0: No registration	0

No.	Symbol	Name	Data range	Factory set value
14	AREA	Memory area transfer ♣	1 to 16	1

No.	Symbol	Name	Data range	Factory set value
		Parameter group No. 00	This is the first parameter symbol of Parameter group No. 00.	—
24		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

	Pn40	Parameter group No. 40	This is the first parameter symbol of Parameter group No. 40.	—
27	EV1	Event 1 set value (EV1) Event 1 set value (EV1) [high]	Deviation: - When assigned to Input 1 or Differential temperature input –(Input 1_ Input span) to –(Input 1_ Input span) - When assigned to Input 2 –(Input 2_ Input span) to –(Input 2_ Input span) - When Control with PV select is selected at Select function for input 2. –(PV select input span) to +(PV select input span) [Varies with the setting of the Decimal point position.] <u>Input value or Set value:</u> - When assigned to Input 1 Input 1_ Input range low to Input 1_ Input range high - When assigned to Input 2 Input 2_ Input range low to Input 2_ Input range high - When assigned to Differential temperature input –(Input 1_ Input span) to –(Input 1_ Input span) - When Control with PV select is selected at Select function for input 2. PV select input range low to PV select input range high [Varies with the setting of the Decimal point position.] <u>Manipulated output value:</u> –5.0 to +105.0 %	For Deviation, Input value and Set value: TC/RTD inputs: 10 V/I inputs: 5 % of input span For Manipulated output value: 50.0
28	EV1'	Event 1 set value (EV1') [low]	Deviation: - When assigned to Input 1 or Differential temperature input –(Input 1_ Input span) to –(Input 1_ Input span) - When assigned to Input 2 –(Input 2_ Input span) to –(Input 2_ Input span) - When Control with PV select is selected at Select function for input 2. –(PV select input span) to +(PV select input span) <u>Input value or Set value:</u> - When assigned to Input 1 Input 1_ Input range low to Input 1_ Input range high - When assigned to Input 2 Input 2_ Input range low to Input 2_ Input range high - When assigned to Differential temperature input –(Input 1_ Input span) to –(Input 1_ Input span) - When Control with PV select is selected at Select function for input 2. PV select input range low to PV select input range high [Varies with the setting of the Decimal point position.]	TC/RTD inputs: –10 V/I inputs: –5 % of input span
29	EV2	Event 2 set value (EV2) Event 2 set value (EV2) [high]	Same as Event 1 set value (EV1)/Event 1 set value (EV1) [high]	
30	EV2'	Event 2 set value (EV2') [low]	Same as Event 1 set value (EV1') [low]	
31	EV3	Event 3 set value (EV3) Event 3 set value (EV3) [high]	Same as Event 1 set value (EV1)/Event 1 set value (EV1) [high]	
32	EV3'	Event 3 set value (EV3') [low]	Same as Event 1 set value (EV1') [low]	
33	EV4	Event 4 set value (EV4) Event 4 set value (EV4) [high]	Same as Event 1 set value (EV1)/Event 1 set value (EV1) [high]	
34	EV4'	Event 4 set value (EV4') [low]	Same as Event 1 set value (EV1') [low]	
—	Pn51	Parameter group No. 51	This is the first parameter symbol of Parameter group No. 51.	—
35	I. P	Input 1_ Proportional band [heat-side]	TC/RTD inputs: 0 (0.0, 0.00) to Input 1_ Input span (Unit: °C [°F]) (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] Voltage (V)/Current (I) inputs: 0.0 to 1000.0 % of Input 1_ Input span (When Control with PV select: 0.0 to 1000.0 % of PV select input span) 0 (0.0, 0.00): ON/OFF action	TC/RTD inputs: 30 V/I inputs: 3.0
36	I. I	Input 1_ Integral time [heat-side]	0 to 3600 seconds, 0.0 to 3600.0 seconds or 0.00 to 360.00 seconds or 0.000 to 36.000 seconds 0 (0.0, 0.00, 0.000): PD action [Varies with the setting of the Integral/ Derivative time decimal point position.]	240.00
37	I. d	Input 1_ Derivative time [heat-side]	0 to 3600 seconds, 0.0 to 3600.0 seconds or 0.00 to 360.00 seconds or 0.000 to 36.000 seconds 0 (0.0, 0.00, 0.000): PI action [Varies with the setting of the Integral/ Derivative time decimal point position.]	60.00
38	I. ONH	Input 1_ ON/OFF action differential gap (upper)	TC/RTD inputs: 0 (0.0, 0.00) to Input 1_ Input span (Unit: °C [°F]) (When Control with PV select: 0 to PV select input span) [Varies with the setting of the Decimal point position.] Voltage (V)/Current (I) inputs: 0.0 to 100.0 % of Input 1_ Input span (When Control with PV select: 0.0 to 100.0 % of PV select input span)	TC/RTD inputs: 1 V/I inputs: 0.1
39	I. ONL	Input 1_ ON/OFF action differential gap (lower)	Same as Input 1_ ON/OFF action differential gap (upper)	
40	I. RPT	Input 1_ Control response parameter	0: Slow 1: Medium 2: Fast [When the P or PD action is selected, this setting becomes invalid]	PID control: 0 Heat/Cool PID control: 2
41	I. PACT	Input 1_ Proactive intensity	0 to 4 0: No function	2
42	I. MR	Input 1_ Manual reset	–100.0 to +100.0 %	0.0
43	I. FF	Input 1_ FF amount	–100.0 to +100.0 %	0.0
44	I. oLH	Input 1_ Output limiter high [heat-side]	Input 1_ Output limiter low [heat-side] to 105.0 %	105.0
45	I. oLL	Input 1_ Output limiter low [heat-side]	–5.0 % to Input 1_ Output limiter high [heat-side]	–5.0
46	I. LBR	Input 1_ Control loop break alarm (LBA) time	0 to 7200 seconds 0: No function	0 or 480
47	I. LBD	Input 1_ LBA deadband (LBD)	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.]	0

No.	Symbol	Name	Data range	Factory set value
—	<i>Pn52</i>	Parameter group No. 52 	This is the first parameter symbol of Parameter group No. 52.	—
48	<i>2. P</i>	Input 2_ Proportional band 	TC/RTD inputs: 0 (0.0, 0.00) to Input 2_ Input span (Unit: °C [°F]) [Varies with the setting of the Decimal point position.] Voltage (V)/Current (I) inputs: 0.0 to 1000.0 % of Input 2_ Input span 0 (0.0, 0.00): ON/OFF action	TC/RTD inputs: 30 V/I inputs: 3.0
49	<i>2. I</i>	Input 2_ Integral time 	Same as Input 1_ Integral time [heat-side]	
50	<i>2. d</i>	Input 2_ Derivative time 	Same as Input 1_ Derivative time [heat-side]	
51	<i>2. oHh</i>	Input 2_ ON/OFF action differential gap (upper) 	TC/RTD inputs: 0 (0.0, 0.00) to Input 2_ Input span (Unit: °C [°F]) [Varies with the setting of the Decimal point position.] Voltage (V)/Current (I) inputs: 0.0 to 100.0 % of Input 2_ Input span	TC/RTD inputs: 1 V/I inputs: 0.1
52	<i>2. oHl</i>	Input 2_ ON/OFF action differential gap (lower) 	Same as Input 2_ ON/OFF action differential gap (upper)	
53	<i>2. RPr</i>	Input 2_ Control response parameter 	0: Slow 1: Medium 2: Fast [When the P or PD action is selected, this setting becomes invalid]	0
54	<i>2.PPrCt</i>	Input 2_ Proactive intensity 	0 to 4 0: No function	2
55	<i>2. MR</i>	Input 2_ Manual reset 	−100.0 to +100.0 %	0.0
56	<i>2. FF</i>	Input 2_ FF amount 	−100.0 to +100.0 %	0.0
57	<i>2. oLH</i>	Input 2_ Output limiter high 	Input 2_ Output limiter low to 105.0 %	105.0
58	<i>2. oLL</i>	Input 2_ Output limiter low 	−5.0 % to Input 2_ Output limiter high	−5.0
59	<i>2. LbR</i>	Input 2_ Control loop break alarm (LBA) time 	0 to 7200 seconds 0: No Function	0 or 480
60	<i>2. Lbd</i>	Input 2_ LBA deadband (LBA) 	0 to Input 1_ Input span [Varies with the setting of the Decimal point position.]	0
—	<i>Pn56</i>	Parameter group No. 56 	This is the first parameter symbol of Parameter group No. 56.	—
61	<i>1. Pc</i>	Input 1_ Proportional band [cool-side] 	TC/RTD inputs: 1 (0.1, 0.01) to Input 1_ Input span (Unit: °C [°F]) (When Control with PV select: 1 to PV select input span) [Varies with the setting of the Decimal point position.] Voltage (V)/Current (I) inputs: 0.1 to 1000.0 % of Input 1_ Input span (When Control with PV select: 0.1 to 1000.0 % of PV select input span)	TC/RTD inputs: 30 V/I inputs: 3.0
62	<i>1. I c</i>	Input 1_ Integral time [cool-side] 	Same as Input 1_ Integral time [heat-side]	
63	<i>1. d c</i>	Input 1_ Derivative time [cool-side] 	Same as Input 1_ Derivative time [heat-side]	
64	<i>1. db</i>	Input 1_ Overlap/ Deadband 	TC/RTD inputs: −(Input 1_ Input span) to +(Input 1_ Input span) (When Control with PV select: −(PV select input span) to +(PV select input span) (Unit: °C [°F]) [Varies with the setting of the Decimal point position.] Voltage (V)/Current (I) inputs: −100.0 to +100.0 % of Input 1_ Input span (When Control with PV select: −100.0 to +100.0 % of PV select input span) Minus (−) setting results in Overlap. However, the overlapping range is within the proportional range.	TC/RTD inputs: 0 V/I inputs: 0.0
65	<i>1.oLHc</i>	Input 1_ Output limiter high [cool-side] 	Input 1_ Output limiter low [cool-side] to 105.0 %	105.0
66	<i>1.oLLc</i>	Input 1_ Output limiter low [heat-side] 	−5.0 % to Input 1_ Output limiter high [cool-side]	−5.0
—	<i>Pn70</i>	Parameter group No. 70 	This is the first parameter symbol of Parameter group No. 70.	—
67	<i>TRGR</i>	Select Trigger type for Memory area transfer 	0 to 63 0: No assignment +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Digital input 1 (DI1) Close edge +32: Digital input 1 (DI1) Open edge To select two or more functions, sum each value.	0
68	<i>ASr</i>	Area soak time 	0 hours 00 minutes 00 seconds to 9 hours 59 minutes 59 seconds * 0 hours 00 minutes 00 seconds to 99 hours 59 minutes 00 seconds 00 minutes 00 seconds to 199 minutes 59 seconds 0.00 seconds to 59.99 seconds (Calculation is performed every 50ms.) * Settable only for when the Input data type is 0 or 2. [Data range of Area soak time can be selected on the Soak time unit.]	0:00 (0.00 seconds)
69	<i>LNkR</i>	Link area number 	0 to 16 0: No link	0
70	<i>1.SvRU</i>	Input 1_ Setting change rate limiter (up) 	0 to Input 1_ Input span (When Control with PV select: 0 to PV select input span) 0: No Function [Varies with the setting of the Decimal point position.]	0
71	<i>1.SvRd</i>	Input 1_ Setting change rate limiter (down) 	Same as Input 1_ Setting change rate limiter (up)	
72	<i>1A/MR</i>	Input 1_ Auto/Manual transfer selection (Area)	0: No transfer 1: Auto mode (bumpless) 2: Auto mode (bump) 3: Manual mode (bumpless) 4: Manual mode (bump)	0
73	<i>1. MVR</i>	Input 1_ Manipulated output value (Area)	PID control: −5.0 to +105.0 % Heat/Cool PID control: −105.0 to +105.0 %	PID control: −5.0 Heat/Cool PID control: 0.0
74	<i>2.SvRU</i>	Input 2_ Setting change rate limiter (up)	0 to Input 2_ Input span 0: No Function [Varies with the setting of the Decimal point position.]	0
75	<i>2.SvRd</i>	Input 2_ Setting change rate limiter (down)	Same as Input 2_ Setting change rate limiter (up)	
76	<i>2A/MR</i>	Input 2_ Auto/Manual transfer selection (Area)	0: No transfer 1: Auto mode (bumpless) 2: Auto mode (bump) 3: Manual mode (bumpless) 4: Manual mode (bump)	0
77	<i>2. MVR</i>	Input 2_ Manipulated output value (Area)	−5.0 to +105.0 %	−5.0

No.	Symbol	Name	Data range	Factory set value
78	<i>R/LR</i>	Remote/Local transfer selection (Area) ★	- When "Remote setting input" is selected at Select function for Input 2 0: No transfer 1: Local mode 2: Remote mode - When "Control with PV select" is selected at Select function for input 2 0: No transfer 1: Input 1 2: Input 2 - When "2-loop control/Differential temperature control" is selected at Select function for input 2 0: No transfer 1: 2-loop control 2: Differential temperature control	0

—	<i>Pn71</i>	Parameter group No. 71	This is the first parameter symbol of Parameter group No. 71	—
79	<i>InoP</i>	Input 1_Number of knee point ★	0 to 5 0: Input knee point correction function is disabled	5
80	<i>I.rP1</i>	Input 1_Knee point input value 1 ★	Input 1_Input range low to Input 1_Input range high [Varies with the setting of the Decimal point position.]	Input 1_Input range high
81	<i>I.rP2</i>	Input 1_Knee point input value 2 ★	Same as Input 1_Knee point input value 1	
82	<i>I.rP3</i>	Input 1_Knee point input value 3 ★	Same as Input 1_Knee point input value 1	
83	<i>I.rP4</i>	Input 1_Knee point input value 4 ★	Same as Input 1_Knee point input value 1	
84	<i>I.rP5</i>	Input 1_Knee point input value 5 ★	Same as Input 1_Knee point input value 1	
85	<i>I.rV1</i>	Input 1_Knee point correction value 1 ★	Deviation setting: –(Input 1_Knee point correction limit value) to +(Input 1_Knee point correction limit value) Direct setting: Input 1_Input range low to Input 1_Input range high [Varies with the setting of the Decimal point position.]	Deviation setting: 0 Direct setting: Input 1_Input range high
86	<i>I.rV2</i>	Input 1_Knee point correction value 2 ★	Same as Input 1_Knee point correction value 1	
87	<i>I.rV3</i>	Input 1_Knee point correction value 3 ★	Same as Input 1_Knee point correction value 1	
88	<i>I.rV4</i>	Input 1_Knee point correction value 4 ★	Same as Input 1_Knee point correction value 1	
89	<i>I.rV5</i>	Input 1_Knee point correction value 5 ★	Same as Input 1_Knee point correction value 1	

—	<i>Pn72</i>	Parameter group No. 72	This is the first parameter symbol of Parameter group No. 72	—
90	<i>2noP</i>	Input 2_Number of knee point ★	0 to 5 0: Input knee point correction function is disabled	5
91	<i>2.rP1</i>	Input 2_Knee point input value 1 ★	Input 2_Input range low to Input 2_Input range high [Varies with the setting of the Decimal point position.]	Input 2_Input range high
92	<i>2.rP2</i>	Input 2_Knee point input value 2 ★	Same as Input 2_Knee point input value 1	
93	<i>2.rP3</i>	Input 2_Knee point input value 3 ★	Same as Input 2_Knee point input value 1	
94	<i>2.rP4</i>	Input 2_Knee point input value 4 ★	Same as Input 2_Knee point input value 1	
95	<i>2.rP5</i>	Input 2_Knee point input value 5 ★	Same as Input 2_Knee point input value 1	
96	<i>2.rV1</i>	Input 2_Knee point correction value 1 ★	Deviation setting: –(Input 2_Knee point correction limit value) to +(Input 2_Knee point correction limit value) Direct setting: Input 2_Input range low to Input 2_Input range high [Varies with the setting of the Decimal point position.]	Deviation setting: 0 Direct setting: Input 2_Input range high
97	<i>2.rV2</i>	Input 2_Knee point correction value 2 ★	Same as Input 2_Knee point correction value 1	
98	<i>2.rV3</i>	Input 2_Knee point correction value 3 ★	Same as Input 2_Knee point correction value 1	
99	<i>2.rV4</i>	Input 2_Knee point correction value 4 ★	Same as Input 2_Knee point correction value 1	
100	<i>2.rV5</i>	Input 2_Knee point correction value 5 ★	Same as Input 2_Knee point correction value 1	

G. Setup Setting Mode +

No.	Symbol	Name	Data range	Factory set value
—	<i>Sn10</i>	Setting group No. 10	This is the first parameter symbol of Setting group No. 10.	—
101	<i>PVCLY</i>	Display update cycle	1: 50 ms 2: 100 ms 3: 150 ms 4: 200 ms 5: 250 ms 6: 300 ms 7: 350 ms 8: 400 ms 9: 450 ms 10: 500 ms	1

—	<i>Sn21</i>	Setting group No. 21	This is the first parameter symbol of Setting group No. 21.	—
102	<i>I.Pb</i>	Input 1_PV bias ★	–(Input 1_Input span) to +(Input 1_Input span) [When Control with PV select: –(PV select input span) to +(PV select input span)] [Varies with the setting of the Decimal point position.]	0
103	<i>I.dF</i>	Input 1_PV digital filter	0.00 to 10.00 seconds 0.00: Filter OFF	0.00
104	<i>I.pR</i>	Input 1_PV ratio	0.500 to 1.500	1.000
105	<i>I.PLC</i>	Input 1_PV low input cut-off ★	0.00 to 25.00 % of Input 1_Input span [When Control with PV select: 0.00 to 25.00 % of PV select input span]	0.00

—	<i>Sn22</i>	Setting group No. 22 ★	This is the first parameter symbol of Setting group No. 22.	—
106	<i>2.Pb</i>	Input 2_PV bias (RS bias) ★	–(Input 2_Input span) to +(Input 2_Input span) [Varies with the setting of the Decimal point position.]	0
107	<i>2.dF</i>	Input 2_PV digital filter (RS digital filter)	0.00 to 10.00 seconds 0.00: Filter OFF	0.00
108	<i>2.pR</i>	Input 2_PV ratio (RS ratio) ★	Input 2_PV ratio 0.500 to 1.500 RS ratio 0.001 to 9.999	1.000
109	<i>2.PLC</i>	Input 2_PV low input cut-off ★	0.00 to 25.00 % of Input 2_Input span	0.00

—	<i>Sn30</i>	Setting group No. 30	This is the first parameter symbol of Setting group No. 30.	—
110	<i>f1</i>	OUT1 proportional cycle time ★	0.1 to 100.0 seconds	Relay contact output: 20.0 Voltage pulse output, Transistor output: 2.0 or 20.0
111	<i>f2</i>	OUT2 proportional cycle time ★	Same as Proportional cycle time of OUT1	
112	<i>f3</i>	OUT3 proportional cycle time ★	0.1 to 100.0 seconds	Voltage pulse output: 2.0 or 20.0
113	<i>Mf1</i>	OUT1 minimum ON/OFF time of proportional cycle ★	0 to 1000 ms	0

No.	Symbol	Name	Data range	Factory set value
114	<i>Mf2</i>	OUT2 minimum ON/OFF time of proportional cycle ★	0 to 1000 ms	0
115	<i>Mf3</i>	OUT3 minimum ON/OFF time of proportional cycle ★	0 to 1000 ms	0

—	<i>Sn45</i>	Setting group No. 45 ★	This is the first parameter symbol of Setting group No. 45.	—
116	<i>HbR1</i>	Heater break alarm 1 (HBA1) set value ★	0.0 to 100.0 A 0.0: HBA function OFF	0.0
117	<i>HbC1</i>	Number of heater break alarm 1 (HBA1) delay times ★	0 to 255 times	5

—	<i>Sn46</i>	Setting group No. 46 ★	This is the first parameter symbol of Setting group No. 46.	—
118	<i>HbR2</i>	Heater break alarm 2 (HBA2) set value ★	0.0 to 100.0 A 0.0: HBA function OFF	0.0
119	<i>HbC2</i>	Number of heater break alarm 2 (HBA2) delay times ★	0 to 255 times	5

—	<i>Sn51</i>	Setting group No. 51	This is the first parameter symbol of Setting group No. 51.	—
120	<i>I.MMW</i>	Input 1_Manual manipulated output value ★	PID control: Input 1_Output limiter low [heat-side] to Input 1_Output limiter high [heat-side] Heat/Cool PID control: –(Input 1_Output limiter high [cool-side]) to +(Input 1_Output limiter high [heat-side]) [When Control with PV select: PV select input range low to PV select input range high] [Varies with the setting of the Decimal point position.]	PID control: –5.0 Heat/Cool PID control: 0.0 Control with PV select: PV select input range high
121	<i>I.LEV1</i>	Input 1_Level PID setting 1 ★	Input 1_Input range low to Input 1_Input range high	Input 1_Input range high
122	<i>I.LEV2</i>	Input 1_Level PID setting 2 ★	Same as Input 1_Level PID setting 1	
123	<i>I.LEV3</i>	Input 1_Level PID setting 3 ★	Same as Input 1_Level PID setting 1	
124	<i>I.LEV4</i>	Input 1_Level PID setting 4 ★	Same as Input 1_Level PID setting 1	
125	<i>I.LEV5</i>	Input 1_Level PID setting 5 ★	Same as Input 1_Level PID setting 1	
126	<i>I.LEV6</i>	Input 1_Level PID setting 6 ★	Same as Input 1_Level PID setting 1	
127	<i>I.LEV7</i>	Input 1_Level PID setting 7 ★	Same as Input 1_Level PID setting 1	

—	<i>Sn52</i>	Setting group No. 52 ★	This is the first parameter symbol of Setting group No. 52.	—
128	<i>2.MMW</i>	Input 2_Manual manipulated output value ★	Input 2_Output limiter low to Input 2_Output limiter high	–5.0
129	<i>2.LEV1</i>	Input 2_Level PID setting 1 ★	Input 2_Input range low to Input 2_Input range high [Varies with the setting of the Decimal point position.]	Input 2_Input range high
130	<i>2.LEV2</i>	Input 2_Level PID setting 2 ★	Same as Input 2_Level PID setting 1	
131	<i>2.LEV3</i>	Input 2_Level PID setting 3 ★	Same as Input 2_Level PID setting 1	
132	<i>2.LEV4</i>	Input 2_Level PID setting 4 ★	Same as Input 2_Level PID setting 1	
133	<i>2.LEV5</i>	Input 2_Level PID setting 5 ★	Same as Input 2_Level PID setting 1	
134	<i>2.LEV6</i>	Input 2_Level PID setting 6 ★	Same as Input 2_Level PID setting 1	
135	<i>2.LEV7</i>	Input 2_Level PID setting 7 ★	Same as Input 2_Level PID setting 1	

—	<i>Sn53</i>	Setting group No. 53	This is the first parameter symbol of Setting group No. 53.	—
136	<i>I.Afb</i>	Input 1_AT bias ★	–(Input 1_Input span) to +(Input 1_Input span) [When Control with PV select: –(PV select input span) to +(PV select input span)] [Varies with the setting of the Decimal point position.]	0
137	<i>I.RTFM</i>	Input 1_AT remaining time monitor	0 hours 00 minutes to 48 hours 00 minutes	—
138	<i>I.FUNE</i>	Input 1_AT/ST status monitor	0: AT/ST complete 1: AT running now 2: ST running now –1: Aborted. Setting changed. –2: Aborted. Abnormal input. –3: Aborted. Timeout. –4: Aborted. Abnormal calculated values.	—

—	<i>Sn54</i>	Setting group No. 54 ★	This is the first parameter symbol of Setting group No. 54.	—
139	<i>2.Afb</i>	Input 2_AT bias ★	–(Input 2_Input span) to +(Input 2_Input span) [Varies with the setting of the Decimal point position.]	0
140	<i>2.RTFM</i>	Input 2_AT remaining time monitor ★	0 hours 00 minutes to 48 hours 00 minutes	—
141	<i>2.FUNE</i>	Input 2_AT/ST status monitor ★	Same as Input 1_AT/ST status monitor	—

—	<i>Sn57</i>	Setting group No. 57	This is the first parameter symbol of Setting group No. 57.	—
142	<i>FFSF</i>	FF amount learning ★	0 to 3 0: No learning +1: Learn Input 1 +2: Learn Input 2 To select two or more functions, sum each value.	0
143	<i>I.ExdU</i>	Input 1_Determination point of external disturbance ★	–(Input 1_Input span) to +(Input 1_Input span) [When Control with PV select: –(PV select input span) to +(PV select input span)] [Varies with the setting of the Decimal point position.]	–1
144	<i>2.ExdU</i>	Input 2_Determination point of external disturbance ★	–(Input 2_Input span) to +(Input 2_Input span) [Varies with the setting of the Decimal point position.]	–1

—	<i>Sn58</i>	Setting group No. 58 ★	This is the first parameter symbol of Setting group No. 58.	—
145	<i>2PVLV</i>	PV select transfer level ★	Input 1_Input range low to Input 1_Input range high [Varies with the setting of the Decimal point position.]	Input 1_Input range high
146	<i>2PVFM</i>	PV select transfer time ★	0.0 to 100.0 seconds	0.0

—	<i>Sn91</i>	Setting group No. 91	This is the first parameter symbol of Setting group No. 91.	—
147	<i>I.PHLd</i>	Input 1_Peak hold monitor	Input 1_Input range low – (Input 1_5 % of input span) to Input 1_Input range high + (Input 1_5 % of input span) [Varies with the setting of the Decimal point position.]	—
148	<i>I.bHLd</i>	Input 1_Bottom hold monitor	Same as Input 1_Peak hold monitor	
149	<i>I.HLdR</i>	Input 1_Hold reset	HoLd: Hold rESEt: Reset Returns to Hold state automatically after reset.	HoLd
150	<i>2PHLd</i>	Input 2_Peak hold monitor ★	Input 2_Input range low – (Input 2_5 % of input span) to Input 2_Input range high + (Input 2_5 % of input span) [Varies with the setting of the Decimal point position.]	—
151	<i>2bHLd</i>	Input 2_Bottom hold monitor ★	Same as Input 2_Peak hold monitor	
152	<i>2HLdR</i>	Input 2_Hold reset ★	Same as Input 1_Hold reset	

H. Engineering Mode + (2 seconds)

No.	Symbol	Name	Data range	Factory set value
—	<i>Fn10</i>	Function block No. 10	This is the first parameter symbol of Function block No. 10.	—
153	<i>SPCH</i>	STOP display selection	0: Stop on PV display 1: Stop on SV display 2: Stop on MV display	1
154	<i>ALC</i>	ALM lamp lighting condition	0 to 4095 0: OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Heater break alarm 1 (HBA1) +32: Heater break alarm 2 (HBA2) +64: Control loop break alarm 1 (LBA1) +128: Control loop break alarm 2 (LBA2) +256: Input 1_Input error high +512: Input 1_Input error low +1024: Input 2_Input error high +2048: Input 2_Input error low To select two or more functions, sum each value.	255
155	<i>dSoP</i>	PV flashing display at input error	0: Flashing display 1: Non-flashing display	0
156	<i>IdSSV</i>	Show/Hide Input 1_SV	0: Hide Input 1_SV 1: Show Input 1_SV	1
157	<i>2dSSV</i>	Show/Hide Input 2_SV ★	0: Hide Input 2_SV 1: Show Input 2_SV	1
158	<i>IdSMV</i>	Show/Hide Input 1_MV	0: Hide 1: Show Input 1_Manipulated output value (MV) 2: Show Memory area soak time 3: Show Current transformer 1 (CT1) input value 4: Show Current transformer 2 (CT2) input value	1
159	<i>2dSMV</i>	Show/Hide Input 2_MV ★	0: Hide 1: Show Input 2_Manipulated output value (MV) 2: Show Memory area soak time 3: Show Current transformer 1 (CT1) input value 4: Show Current transformer 2 (CT2) input value	1
160	<i>dSMoN</i>	Select hide items in Monitor mode	0 to 31 0: Show all +1: Remote setting input value monitor +2: Manipulated output value (MV) monitor +4: Current transformer (CT) input value monitor +8: Comprehensive event state +16: Memory area soak time To select two or more functions, sum each value.	0
161	<i>dSMoD</i>	Select hide items in Operation transfer mode	0 to 63 0: Show all +1: RUN/STOP transfer +2: Autotuning (AT) +4: Startup tuning (ST) +8: Auto/Manual transfer +16: Remote/Local transfer (PV select transfer, 2-loop control/Differential temperature control) +32: Control area Local/External transfer To select two or more functions, sum each value.	0

—	<i>Fn11</i>	Function block No. 11	This is the first parameter symbol of Function block No. 11.	—
162	<i>SEfKY</i>	Data registration	0: SET key method 1: Direct registration	0
163	<i>FnKY</i>	FUNC key assignment	0: Unused 1: RUN/STOP transfer 2: Autotuning (AT) (Common to Input 1 and 2) 3: Input 1_Autotuning (AT) 4: Input 2_Autotuning (AT) 5: Auto/Manual transfer (Common to Input 1 and 2) 6: Input 1_Auto/Manual transfer 7: Input 2_Auto/Manual transfer 8: Remote/Local transfer (PV select transfer, 2-loop control/Differential temperature control) 9: Control area Local/External transfer 10: Interlock release 11: Hold reset (Common to Input 1 and 2) 12: Input 1_Hold reset 13: Input 2_Hold reset 14: Set data unlock/lock transfer 15: Area jump	1
164	<i>FnKYp</i>	FUNC key operation selection	0: Press once 1: Press and hold	0

—	<i>Fn21</i>	Function block No. 21	This is the first parameter symbol of Function block No. 21	—
165	<i>I.INP</i>	Input 1_input type ★	0: TC input K 1: TC input J 2: TC input R 3: TC input S 4: TC input B 5: TC input E 6: TC input N 7: TC input T 8: TC input W5Re/W26Re 9: TC input PLII 10: TC input U 11: TC input L 12: TC input PR40-20 13: RTD input Pt100 14: RTD input JPt100 15: Current input 0 to 20 mA DC 16: Current input 4 to 20 mA DC 17: Voltage input 0 to 10 V DC 18: Voltage input 0 to 5 V DC 19: Voltage input 1 to 5 V DC 20: Voltage input 0 to 1 V DC 21: Voltage input –10 to +10 V DC 22: Voltage input –5 to +5 V DC 23: Voltage input 0 to 100 mV DC 24: Voltage input 0 to 10 mV DC	Based on Model code
166	<i>I.UNIF</i>	Input 1_Display unit ★	0: °C 1: °F	Based on Model code
167	<i>IPGdP</i>	Input 1_Decimal point position	0: No decimal place 1: One decimal place 2: Two decimal places 3: Three decimal places 4: Four decimal places TC inputs: W5Re/W26Re, PR40-20: 0 (fixed) Thermocouples other than those shown above: 0 to 1 RTD inputs: 0 to 2 Voltage (V)/Current (I) Inputs: In case of Input data type 0 or 2: 0 to 4 In case of Input data type 1: 0 to 3 [When Control with PV select: Decimal point position setting of Input 1 and Input 2 is compared and the smaller will be used.]	Based on Model code

168	<i>IPGSH</i>	Input 1_Input range high	(Input 1_Input range low + 1digit) to Input 1_Maximum value of input range [Varies with the setting of the Decimal point position.]	Based on Model code
169	<i>IPGSL</i>	Input 1_Input range low	Input 1_Minimum value of input range to (Input 1_Input range high – 1digit) [Varies with the setting of the Decimal point position.]	Based on Model code
170	<i>I.PoK</i>	Input 1_Input error determination point (high)	Input 1_Input error determination point (low) to Input 1_Input range high + (Input 1_5 % of input span) [Varies with the setting of the Decimal point position.]	Input 1_Input range high + (Input 1_5 % of input span)
171	<i>I.PUN</i>	Input 1_Input error determination point (low)	Input 1_Input range low – (Input 1_5 % of input span) * to Input 1_Input error determination point (high) [Varies with the setting of the Decimal point position.] * When Input type of Input 1 is RTD, low limit value is about 2 Ohms. (Pt100: –245.5 °C [–409.8 °F] JPt100: –237.6 °C [–395.7 °F])	Input 1_Input range low – (Input 1_5 % of input span)

No.	Symbol	Name	Data range	Factory set value
172	<i>IFCLC</i>	Input 1_Temperature compensation calculation ★	0: No temperature compensation calculation 1: With temperature compensation calculation	1
173	<i>I.boS</i>	Input 1_Burnout direction ★	0: Upscale 1: Downscale	0
174	<i>I.rVSL</i>	Input 1_Selection of knee point function ★	0: Disable input knee point correction function 1: Enable input knee point correction function	0
175	<i>I.rVS</i>	Input 1_Selection of correction value setting	0: Deviation setting (set as a deviation from the knee point input value) 1: Direct setting (value after the correction can directly be set)	0
176	<i>I.rVLM</i>	Input 1_Knee point correction limit value	0 to Input 1_Input span [Varies with the setting of the Decimal point position.]	10
177	<i>I.SQR</i>	Input 1_Square root extraction ★	0: Unused 1: Used	0
178	<i>I.INV</i>	Input 1_Inverting input ★	0: Unused 1: Used	0
179	<i>I.NdF</i>	Input data type	0: Number of measured value digits: 5 Number of RKC communication digits: 7 Modbus: Double word PLC communication: Double word (System data: Single word) Display of time unit: hour/minute/second, hour/minute, minute/second, second 1: Number of measured value digits: 4 Number of RKC communication digits: 6 Modbus: Single word * PLC communication: Single word Display of time unit: hour/minute, minute/second, second * The data of the FB series and its equivalent are included.	0
180	<i>PFRQ</i>	Power supply frequency	0: 50 Hz 1: 60 Hz	0

<i>Fn22</i>	Function block No. 22	★	This is the first parameter symbol of Function block No. 22	—
181	<i>2.INP</i>	Input 2_ Input type	★ Same as Input 1_Input type Setting range varies with the models. · When Measured Input 2 is selected: 0 to 24 · When Remote setting input is selected: 15 to 24	
182	<i>2.UNI F</i>	Input 2_ Display unit	★ Same as Input 1_Display unit	
183	<i>2.PGdP</i>	Input 2_ Decimal point position	★ 0: No decimal place 1: One decimal place 2: Two decimal places 3: Three decimal places 4: Four decimal places TC inputs: W5Re/W26Re, PR40-20: 0 (fixed) Thermocouples other than those shown above: 0 to 1 RTD inputs: 0 to 2 Voltage (V)/Current (I) Inputs: In case of Input data type 0 or 2: 0 to 4 In case of Input data type 1: 0 to 3	Based on Model code
184	<i>2.PGSH</i>	Input 2_ Input range high	★ TC/RTD inputs and Voltage (V)/Current (I) Inputs (For other than Remote setting input): (Input 2_Input range low + 1digit) to Input 2_Maximum value of input range Voltage (V)/Current (I) Inputs (For Remote setting input): (Input 2_Input range low + 1digit) to Input 1_Maximum value of input range [Varies with the setting of the Decimal point position.]	Based on Model code
185	<i>2.PGSL</i>	Input 2_ Input range low	★ TC/RTD inputs and Voltage (V)/Current (I) Inputs (For other than Remote setting input): Input 2_Minimum value of input range to (Input 2_Input range high – 1digit) Voltage (V)/Current (I) Inputs (For Remote setting input): Input 1_Minimum value of input range to (Input 2_Input range high – 1digit) [Varies with the setting of the Decimal point position.]	Based on Model code
186	<i>2.PoV</i>	Input 2_ Input error determination point (high)	★ 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 high + (Input 2_ 5 % of input span)
187	<i>2.PuN</i>	Input 2_ Input error determination point (low)	★ Input 2_Input range low – (Input 2_5 % of input span) * to Input 2_Input 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. JP1100: –245.5 °C [–409.8 °F], JP1100: –237.6 °C [–395.7 °F])	Input 2_ Input range low – (Input 2_ 5 % of input span)
188	<i>2.TCtC</i>	Input 2_ Temperature compensation calculation	★ 0: No temperature compensation calculation 1: With temperature compensation calculation	1
189	<i>2.boS</i>	Input 2_ Burnout direction	★ 0: Upscale 1: Downscale	0
190	<i>2.rVSL</i>	Input 2_ Selection of knee point function	★ 0: Disable input knee point correction function 1: Enable input knee point correction function	0
191	<i>2.rV5</i>	Input 2_ Selection of correction value setting	★ 0: Deviation setting (set as a deviation from the knee point input value) 1: Direct setting (value after the correction can directly be set)	0
192	<i>2.rVLM</i>	Input 2_Knee point correction limit value	★ 0 to Input 2_Input span [Varies with the setting of the Decimal point position.]	10
193	<i>2.SQR</i>	Input 2_ Square root extraction	★ 0: Unused 1: Used	0
194	<i>2.INV</i>	Input 2_ Inverting input	★ 0: Unused 1: Used	0

No.	Symbol	Name	Data range	Factory set value
—	<i>F_n23</i>	Function block No. 23	This is the first parameter symbol of Function block No. 23	—
195	<i>d₁SL₁</i>	DI1 function selection	0: No function 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 (PV select transfer, 2-loop control/Differential temperature control) 6: Interlock release 7: Hold reset (Common to Input 1 and 2) 8: Input 1_Hold reset 9: Input 2_Hold reset 10: Autotuning (AT) (Common to Input 1 and 2) 11: Input 1_Autotuning (AT) 12: Input 2_Autotuning (AT) 13: Set data unlock/lock transfer 14: Direct/Reverse action transfer 15: Memory area transfer (2 points, Without area set signal) 16: Memory area transfer (8 points, Without area set signal) 17: Memory area transfer (8 points, With area set signal) 18: Memory area transfer (16 points, Without area set signal) 19: Memory area transfer (16 points, With area set signal) 20: Area jump	Based on Model code
196	<i>d₁SL₂</i>	DI2 function selection	0 to 14 Same as DI1 function selection (0 to 14)	Based on Model code
197	<i>d₁SL₃</i>	DI3 function selection	0 to 14 Same as DI1 function selection (0 to 14)	Based on Model code
198	<i>d₁SL₄</i>	DI4 function selection	0 to 14 Same as DI1 function selection (0 to 14)	Based on Model code
199	<i>d₁SL₅</i>	DI5 function selection	0 to 14 Same as DI1 function selection (0 to 14)	Based on Model code
200	<i>d₁SL₆</i>	DI6 function selection	0 to 14 Same as DI1 function selection (0 to 14)	Based on Model code
201	<i>d₁INV</i>	DI logic invert	0 to 31 0: No logic invert +1: RUN/STOP transfer +2: Auto/Manual transfer +4: Remote/Local transfer (PV select transfer, 2-loop control/Differential temperature control) +8: Set data unlock/lock transfer +16: Direct/Reverse action transfer To select two or more functions, sum each value.	0
202	<i>d₁FM</i>	Area switching time (Without area set signal)	1 to 5 seconds	2

—	<i>F_n30</i>	Function block No. 30	This is the first parameter symbol of Function block No. 30	—
203	<i>o_{SL}1</i>	OUT1 function selection	0: No assignment 1: Input 1_Control output [heat-side] 2: Input 1_Control output [cool-side] 3: Input 2_Control output 4: Retransmission output 5: Logic calculation output (Event, HBA, LBA, Input error) 6: RUN state output 7: Input 1_Manual mode state output 8: Input 2_Manual mode state output 9: Remote mode state output (Output of differential temperature control state, Input 2 state output of Control with PV select) 10: Input 1_Autotuning (AT) state output 11: Input 2_Autotuning (AT) state output 12: Output while Set value of Input 1 is changing 13: Output while Set value of Input 2 is changing 14: Output of the communication monitoring result 15: FAIL output (Permanently configured to be de-energized)	Based on Model code
204	<i>o_{SL}2</i>	OUT2 function selection	Same as OUT1 function selection	Based on Model code
205	<i>o_{SL}3</i>	OUT3 function selection	Same as OUT1 function selection	4
206	<i>o_{LG}1</i>	OUT1 logic calculation selection	0 to 4095 0: OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Heater break alarm 1 (HBA1) +32: Heater break alarm 2 (HBA2) +64: Control loop break alarm 1 (LBA1) +128: Control loop break alarm 2 (LBA2) +256: Input 1_Input error high +512: Input 1_Input error low +1024: Input 2_Input error high +2048: Input 2_Input error low To select two or more functions, sum each value.	0
207	<i>o_{LG}2</i>	OUT2 logic calculation selection	Same as OUT1 logic calculation selection	Based on Model code
208	<i>o_{LG}3</i>	OUT3 logic calculation selection	Same as OUT1 logic calculation selection	0
209	<i>Ex_C</i>	Energized/De-energized selection	0 to 127 0: All outputs are energized +1: OUT1 de-energized +2: OUT2 de-energized +4: OUT3 de-energized +8: DO1 de-energized +16: DO2 de-energized +32: DO3 de-energized +64: DO4 de-energized To select two or more functions, sum each value.	0
210	<i>IL_S</i>	Interlock selection	0 to 4095 0: Unused +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Heater break alarm 1 (HBA1) +32: Heater break alarm 2 (HBA2) +64: Control loop break alarm 1 (LBA1) +128: Control loop break alarm 2 (LBA2) +256: Input 1_Input error high +512: Input 1_Input error low +1024: Input 2_Input error high +2048: Input 2_Input error low To select two or more functions, sum each value.	0
211	<i>SS</i>	Output action at control stop	0 to 7 0: OFF +1: Logic calculation output: Action continues +2: Retransmission output: Action continues +4: Instrument status output: Action continues To select two or more functions, sum each value.	0
212	<i>UNI_o</i>	Universal output type selection (OUT3)	0: Voltage pulse output 1: Current output (4 to 20 mA DC) 2: Current output (0 to 20 mA DC)	1

—	<i>F_n31</i>	Function block No. 31	This is the first parameter symbol of Function block No. 31	—
213	<i>Ro₁</i>	Retransmission output 1 type	0: No retransmission output 1: Input 1_Measured value (PV) 2: Input 1_Local SV 3: Input 1_SV monitor value 4: Input 1_Deviation 5: Input 1_Manipulated output value [heat-side] 6: Input 1_Manipulated output value [cool-side] 7: Input 2_Measured value (PV) 8: Input 2_Local SV 9: Input 2_SV monitor value 10: Input 2_Deviation 11: Input 2_Manipulated output value 12: Remote setting input value 13: Current transformer 1 (CT1) input value 14: Current transformer 2 (CT2) input value 15: Measured value (PV) of differential temperature input	0
214	<i>RHS₁</i>	Retransmission output 1 scale high	No retransmission output, Input 1_Measured value (PV), Input 1_Local SV, Input 1_SV monitor value, and Remote setting input value: Input 1_Input range low to Input 1_Input range high (When Control with PV select: PV select input range low to PV select input range high [Varies with the setting of the Decimal point position.] Input 1_Deviation: -(Input 1_Input span) to -(Input 1_Input span) [Varies with the setting of the Decimal point position.] Input 2_Measured value (PV), Input 2_Local SV, and Input 2_SV monitor value: Input 2_Input range low to Input 2_Input range high [Varies with the setting of the Decimal point position.] Input 2_Deviation: -(Input 2_Input span) to -(Input 2_Input span) [Varies with the setting of the Decimal point position.] Manipulated output value: -5.0 to +105.0 % Current transformer (CT) input value: 0.0 to 100.0 % Measured value (PV) of differential temperature input: -(Input 1_Input span) to -(Input 1_Input span) [Varies with the setting of the Decimal point position.] Control with PV select: PV select input range high Input 1_Deviation: +Input 1_Input span Input 2_Measured value (PV), Input 2_Local SV, and Input 2_SV monitor value: Input 2_Input range low to Input 2_Input range high [Varies with the setting of the Decimal point position.] Input 2_Deviation: +Input 2_Input span [Varies with the setting of the Decimal point position.] Manipulated output value, and Current transformer (CT) input value: 100.0 Measured value (PV) of differential temperature input: 100	retransmission output, Input 1_Measured value (PV), Input 1_Local SV, Input 1_SV monitor value, and Remote setting input value: Input 1_Input range low to Input 1_Input range high (When Control with PV select: PV select input range low to PV select input range high [Varies with the setting of the Decimal point position.] Input 1_Deviation: -(Input 1_Input span) to -(Input 1_Input span) [Varies with the setting of the Decimal point position.] Input 2_Measured value (PV), Input 2_Local SV, and Input 2_SV monitor value: Input 2_Input range low to Input 2_Input range high [Varies with the setting of the Decimal point position.] Input 2_Deviation: -(Input 2_Input span) to -(Input 2_Input span) [Varies with the setting of the Decimal point position.] Manipulated output value, and Current transformer (CT) input value: 100.0 Measured value (PV) of differential temperature input: 100
215	<i>RLS₁</i>	Retransmission output 1 scale low	Data range is the same as Retransmission output 1 scale high. [Factory set value] •No retransmission output, Input 1_Measured value (PV), Input 1_Local SV, Input 1_SV monitor value, and Remote setting input value: Input 1_Input range low (Control with PV select: PV select input range low) •Input 1_Deviation: -(Input 1_Input span) •Input 2_Measured value (PV), Input 2_Local SV, and Input 2_SV monitor value: Input 2_Input range low •Input 2_Deviation: -(Input 2_Input span) •Manipulated output value, and Current transformer (CT) input value: 0.0 •Measured value (PV) of differential temperature input: -100	0

—	<i>F_n32</i>	Function block No. 32	This is the first parameter symbol of Function block No. 32	—
216	<i>Ro₂</i>	Retransmission output 2 type	Same as Retransmission output 1 type	0
217	<i>RHS₂</i>	Retransmission output 2 scale high	Same as Retransmission output 1 scale high	
218	<i>RLS₂</i>	Retransmission output 2 scale low	Same as Retransmission output 1 scale low	
—	<i>F_n33</i>	Function block No. 33	This is the first parameter symbol of Function block No. 33	—
219	<i>Ro₃</i>	Retransmission output 3 type	Same as Retransmission output 1 type	1
220	<i>RHS₃</i>	Retransmission output 3 scale high	Same as Retransmission output 1 scale high	
221	<i>RLS₃</i>	Retransmission output 3 scale low	Same as Retransmission output 1 scale low	
—	<i>F_n34</i>	Function block No. 34	This is the first parameter symbol of Function block No. 34	—
222	<i>do_{SL}1</i>	DO1 function selection	0: No assignment 1: Logic calculation output (Event, HBA, LBA, Input error) 2: RUN state output 3: Input 1_Manual mode state output 4: Input 2_Manual mode state output 5: Remote mode state output (Output of differential temperature control state, Input 2 state output of Control with PV select) 6: Input 1_Autotuning (AT) state output 7: Input 2_Autotuning (AT) state output 8: Output while Set value of Input 1 is changing 9: Output while Set value of Input 2 is changing 10: Output of the communication monitoring result 11: FAIL output (Permanently configured to be de-energized)	Based on Model code
223	<i>do_{SL}2</i>	DO2 function selection	Same as DO1 function selection	
224	<i>do_{SL}3</i>	DO3 function selection	Same as DO1 function selection	
225	<i>do_{SL}4</i>	DO4 function selection	Same as DO1 function selection	
226	<i>do_{LG}1</i>	DO1 logic calculation selection	0 to 4095 0: OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Heater break alarm 1 (HBA1) +32: Heater break alarm 2 (HBA2) +64: Control loop break alarm 1 (LBA1) +128: Control loop break alarm 2 (LBA2) +256: Input 1_Input error high +512: Input 1_Input error low +1024: Input 2_Input error high +2048: Input 2_Input error low To select two or more functions, sum each value.	Based on Model code
227	<i>do_{LG}2</i>	DO2 logic calculation selection	Same as DO1 logic calculation selection	
228	<i>do_{LG}3</i>	DO3 logic calculation selection	Same as DO1 logic calculation selection	
229	<i>do_{LG}4</i>	DO4 logic calculation selection	Same as DO1 logic calculation selection	

—	<i>F_n35</i>	Function block No. 35	This is the first parameter symbol of Function block No. 35	—
223	<i>Ro₃</i>	Retransmission output 3 type	Same as Retransmission output 1 type	1
220	<i>RHS₃</i>	Retransmission output 3 scale high	Same as Retransmission output 1 scale high	
221	<i>RLS₃</i>	Retransmission output 3 scale low	Same as Retransmission output 1 scale low	

—	<i>F_n34</i>	Function block No. 34	This is the first parameter symbol of Function block No. 34	—
222	<i>do_{SL}1</i>	DO1 function selection	0: No assignment 1: Logic calculation output (Event, HBA, LBA, Input error) 2: RUN state output 3: Input 1_Manual mode state output 4: Input 2_Manual mode state output 5: Remote mode state output (Output of differential temperature control state, Input 2 state output of Control with PV select) 6: Input 1_Autotuning (AT) state output 7: Input 2_Autotuning (AT) state output 8: Output while Set value of Input 1 is changing 9: Output while Set value of Input 2 is changing 10: Output of the communication monitoring result 11: FAIL output (Permanently configured to be de-energized)	Based on Model code
223	<i>do_{SL}2</i>	DO2 function selection	Same as DO1 function selection	
224	<i>do_{SL}3</i>	DO3 function selection	Same as DO1 function selection	
225	<i>do_{SL}4</i>	DO4 function selection	Same as DO1 function selection	
226	<i>do_{LG}1</i>	DO1 logic calculation selection	0 to 4095 0: OFF +1: Event 1 +2: Event 2 +4: Event 3 +8: Event 4 +16: Heater break alarm 1 (HBA1) +32: Heater break alarm 2 (HBA2) +64: Control loop break alarm 1 (LBA1) +128: Control loop break alarm 2 (LBA2) +256: Input 1_Input error high +512: Input 1_Input error low +1024: Input 2_Input error high +2048: Input 2_Input error low To select two or more functions, sum each value.	Based on Model code
227	<i>do_{LG}2</i>	DO2 logic calculation selection	Same as DO1 logic calculation selection	
228	<i>do_{LG}3</i>	DO3 logic calculation selection	Same as DO1 logic calculation selection	
229	<i>do_{LG}4</i>	DO4 logic calculation selection	Same as DO1 logic calculation selection	

—	<i>F_n41</i>	Function block No. 41	This is the first parameter symbol of Function block No. 41	—
230	<i>Ev_R1</i>	Event 1 assignment	1: Input 1 2: Input 2 3: Differential temperature input	1

—	<i>F_n51</i>	Function block No. 51	This is the first parameter symbol of Function block No. 51	—
231	<i>ES₁</i>	Event 1 type	0: None 1: Deviation high (Using SV monitor value) * 2: Deviation low (Using SV monitor value) * 3: Deviation high/low (Using SV monitor value) * 4: Band (Using SV monitor value) * 5: Deviation high/low (Using SV monitor value) [High/Low individual setting] * 6: Band (Using SV monitor value) [High/Low individual setting] * 7: SV high (Using SV monitor value) 8: SV low (Using SV monitor value) 9: Process high * 10: Process low * 11: Deviation high (Using local SV) * 12: Deviation low (Using local SV) * 13: Deviation high/low (Using local SV) * 14: Band (Using local SV) * 15: Deviation high/low (Using local SV) [High/Low individual setting] * 16: Band (Using local SV) [High/Low individual setting] * 17: SV high (Using local SV) 18: SV low (Using local SV) 19: MV high [heat-side] * 20: MV low [heat-side] * 21: MV high [cool-side] * 22: MV low [cool-side] * 23: Process high/low [High/Low individual setting] * 24: Process band [High/Low individual setting] * * Event hold and re-hold action is available. * Event hold action is available.	If the Event type is specified by the initial setting code when ordering, that Event type will be the factory set value. If the Event type is not specified: 1
232	<i>EHo₁</i>	Event 1 hold action	0: Hold action OFF 1: Hold action ON 2: Re-hold action ON If the Event type is specified by the initial setting code when ordering, the factory set value of Event hold action differs depending on the Event type. If the Event type is not specified: 0	
233	<i>EH₁</i>	Event 1 differential gap	Deviation, Process and SV: • If event assignment is either Input 1 or Differential temperature. 0 to Input 1_Input span (When Control with PV select: 0 to PV select input span) • If event assignment is Input 2 0 to Input 2_Input span [Varies with the setting of the Decimal point position.] MV: 0.0 to 110.0 %	Deviation, Process and SV: TC/RTD inputs: 2 V/I inputs: 0.2 % of input span

234	<i>Ev_F1</i>	Event 1 timer	0.0 to 600.0 seconds	0.0
—	<i>F_n42</i>	Function block No. 42	This is the first parameter symbol of Function block No. 42	—
235	<i>Ev_R2</i>	Event 2 assignment	Same as Event 1 assignment	
236	<i>ES₂</i>	Event 2 type	Same as Event 1 type	
237	<i>EHo₂</i>	Event 2 hold action	Same as Event 1 hold action	
238	<i>EH₂</i>	Event 2 differential gap	Same as Event 1 differential gap	
239	<i>Ev_F2</i>	Event 2 timer	Same as Event 1 timer	
—	<i>F_n43</i>	Function block No. 43	This is the first parameter symbol of Function block No. 43	—
240	<i>Ev_R3</i>	Event 3 assignment	Same as Event 1 assignment	
241	<i>ES₃</i>	Event 3 type	Same as Event 1 type	
242	<i>EHo₃</i>	Event 3 hold action	Same as Event 1 hold action	
243	<i>EH₃</i>	Event 3 differential gap	Same as Event 1 differential gap	
244	<i>Ev_F3</i>	Event 3 timer	Same as Event 1 timer	

—	<i>F_n44</i>	Function block No. 44	This is the first parameter symbol of Function block No. 44	—
245	<i>Ev_R4</i>	Event 4 assignment	Same as Event 1 assignment	
246	<i>ES₄</i>	Event 4 type	Same as Event 1 type	
247	<i>EHo₄</i>	Event 4 hold action	Same as Event 1 hold action	
248	<i>EH₄</i>	Event 4 differential gap	Same as Event 1 differential gap	
249	<i>Ev_F4</i>	Event 4 timer	Same as Event 1 timer	

—	<i>F_n45</i>	Function block No. 45	This is the first parameter symbol of Function block No. 45	—
250	<i>CT_R1</i>	CT1 assignment	0: None 1: OUT1 2: OUT2 3: OUT3	1
251	<i>CT_L1</i>	CT1 type	0: CTL-6-P-N 1: CTL-12-S56-10L-N 2: CTL-6-P-Z	Based on Model code
252	<i>CT_R1</i>	CT1 ratio	0 to 9999 CT type: CTL-6-P-N: 800 CTL-12-S56-10L-N: 1000 CTL-6-P-Z: 800 If CTL-12-S56-10L-N is specified for the Current transformer (CT) type: 1000	
253	<i>CLC₁</i>	CT1 low input cut-off	0.0 to 1.0 A	0.0

—	<i>F_n46</i>	Function block No. 46	This is the first parameter symbol of Function block No. 46	—
254	<i>CT_R2</i>	CT2 assignment	Same as CT1 assignment	
255	<i>CT_L2</i>	CT2 type	Same as CT1 type	
256	<i>CT_R2</i>	CT2 ratio	Same as CT1 ratio	
257	<i>CLC₂</i>	CT2 low input cut-off	Same as CT1 low input cut-off	

—	<i>F_n50</i>	Function block No. 50	This is the first parameter symbol of Function block No. 50	—
258	<i>Pd</i>	Hot/Cold start	0: Hot start 1 1: Hot start 2 2: Cold start 3: STOP start	0
259	<i>MV_FS</i>	Manual manipulated output value selection	0: The last manipulated output value (Balanceless-bumpless function) 1: Manual manipulated output value	0
260	<i>TR_K</i>	SV tracking	0 to 3 0: No SV tracking function +1: SV tracking at transferring Remote/Local * +2: SV tracking at transferring Auto/Manual * Including 2-loop control/Differential temperature control transfer To select two or more functions, sum each value.	1
261	<i>Id_{dP}</i>	Integral/Derivative time decimal point position	0: No decimal place 1: One decimal place 2: Two decimal places 3: Three decimal places	2
262	<i>ST_S</i>	ST start condition	0: Activate the Startup tuning (ST) function when the power is turned on; when transferred from STOP to RUN; or when the Set value (SV) is changed. 1: Activate the Startup tuning (ST) function when the power is turned on; or when transferred from STOP to RUN. 2: Activate the Startup tuning (ST) function when the Set value (SV) is changed.	0

—	<i>F_n46</i>	Function block No. 46	This is the first parameter symbol of Function block No. 46	—
254	<i>CT_R2</i>	CT2 assignment	Same as CT1 assignment	
255	<i>CT_L2</i>	CT2 type	Same as CT1 type	
256	<i>CT_R2</i>	CT2 ratio	Same as CT1 ratio	
257	<i>CLC₂</i>	CT2 low input cut-off	Same as CT1 low input cut-off	

—	<i>F_n50</i>	Function block No. 50	This is the first parameter symbol of Function block No. 50	—
258	<i>Pd</i>	Hot/Cold start	0: Hot start 1 1: Hot start 2 2: Cold start 3: STOP start	0
259	<i>MV_FS</i>	Manual manipulated output value selection	0: The last manipulated output value (Balanceless-bumpless function) 1: Manual manipulated output value	0
260	<i>TR_K</i>	SV tracking	0 to 3 0: No SV tracking function +1: SV tracking at transferring Remote/Local * +2: SV tracking at transferring Auto/Manual * Including 2-loop control/Differential temperature control transfer To select two or more functions, sum each value.	1
261	<i>Id_{dP}</i>	Integral/Derivative time decimal point position	0: No decimal place 1: One decimal place 2: Two decimal places 3: Three decimal places	2
262	<i>ST_S</i>	ST start condition	0: Activate the Startup tuning (ST) function when the power is turned on; when transferred from STOP to RUN; or when the Set value (SV) is changed. 1: Activate the Startup tuning (ST) function when the power is turned on; or when transferred from STOP to RUN. 2: Activate the Startup tuning (ST) function when the Set value (SV) is changed.	0

—	<i>F_n51</i>	Function block No. 51	This is the first parameter symbol of Function block No. 51	—
263	<i>l_oS</i>	Input 1_Control action	0: Brilliant II PID control (direct action) 1: Brilliant II PID control (reverse action) 2: Brilliant II Heat/Cool PID control [water cooling] 3: Brilliant II Heat/Cool PID control [air cooling] 4: Brilliant II Heat/Cool PID control [Cooling linear type]	Based on Model code

No.	Symbol	Name	Data range	Factory set value
264	<i>l_oRU</i>	Input 1_Output change rate limiter (up) [heat-side] 	0.0 to 1000.0 %/seconds of manipulated output 0.0: OFF	0.0
265	<i>l_oRd</i>	Input 1_Output change rate limiter (down) [heat-side] 	0.0 to 1000.0 %/seconds of manipulated output 0.0: OFF	0.0
266	<i>IRoVE</i>	Input 1_Action (high) input error	0: Control continues (with the latest output) 1: Manipulated output value at input error (Manual mode) 2: Manipulated output value at input error (Auto mode)	2
267	<i>IRLINE</i>	Input 1_Action (low) input error	Same as Input 1_Action (high) input error	2
268	<i>l_oPSM</i>	Input 1_Manipulated output value at input error	PID control: -5.0 to +105.0 % Heat/Cool PID control: -105.0 to +105.0 %	PID control: -5.0 Heat/Cool PID control: 0.0
269	<i>l_oRMV</i>	Input 1_Manipulated output value at STOP [heat-side]	-5.0 to +105.0 %	-5.0
270	<i>l_oPdR</i>	Input 1_Start determination point	0 to Input 1_Input span [When Control with PV select: 0 to PV select input span] 0: Operation starts from any start state selected by Hot/Cold start [Varies with the setting of the Decimal point position.]	3 % of Input 1_input span [Control with PV select: 3 % of PV select input span]
271	<i>ILP1d</i>	Input 1_Level PID action selection 	0: Switching by Memory area number 1: Switching by Set value (SV) (Level PID action) 2: Switching by Measured value (PV) (Level PID action)	0
272	<i>l_oLHS</i>	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 % of Input 1_input span [Control with PV select: 0.2 % of PV select input span]

No.	Symbol	Name	Data range	Factory set value
295	blf	Data bit configuration	0 to 11 Refer to Data bit configuration table	0
296	INF	Interval time	0 to 250 ms	10
297	CMRM	Communication response monitor	0 to 110F Least significant digit: 0: Normal response 1: Overrun error 2: Parity error 4: Framing error 8: Receive buffer overflow 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. Most significant digit: Lights off	—

—	F_n62	Function block No. 62	This is the first parameter symbol of Function block No. 62	—
298	MP_{REG}	Register type	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
299	MP_{SRH}	Register start number (High-order 4-bit)	0 to 15	0
300	MP_{SRL}	Register start number (Low-order 16-bit)	0 to 65535	1000
301	MP_{Mod}	Monitor item register bias	12 to 65535	12
302	MP_{SLb}	Setting item register bias	0 to 65535	0
303	MP_{LFM}	Instrument link recognition time	0 to 255 seconds	5
304	MP_{FMo}	PLC response waiting time	0 to 3000 ms	255
305	MP_{SFM}	PLC communication start time	1 to 255 seconds	5
306	MP_{SLb}	Slave register bias	0 to 65535	80
307	MP_{MRd}	Number of recognizable devices	0 to 30	8

—	F_n70	Function block No. 70	This is the first parameter symbol of Function block No. 70	—
308	SV_{RF}	Setting change rate limiter unit time	0.1 to 360.0 seconds	0.1
309	SL_{dP}	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 3: 0.00 seconds to 59.99 seconds In case of Input data type 0 or 2: 0 to 3 In case of Input data type 1: 0 to 1 or 3	3

—	F_n71	Function block No. 71	This is the first parameter symbol of Function block No. 71	—
310	1. SL_H	Input 1_ Setting limiter 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.]	Input 1_ Input range high Control with PV select: PV select input range high
311	1. SL_L	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.]	Input 1_ Input range low Control with PV select: PV select input range low

—	F_n72	Function block No. 72	This is the first parameter symbol of Function block No. 72	—
312	2. SL_H	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
313	2. SL_L	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

—	F_n91	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
—	HF	Integrated operating time	0 to 65535 hours	—
—	FCU	Peak hold monitor of ambient temperature	−120 to +120 °C	—
—	RoM	ROM version	The installed ROM version is displayed	—
—	GZ900	Model code monitor	Model code is displayed. Use the UP or DOWN key to scroll the display horizontally (left or right).	—
—	00000	Instrument number monitor	Instrument number is displayed.	—

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	Odd	2

: Not settable for Modbus

How to use Parameter select function

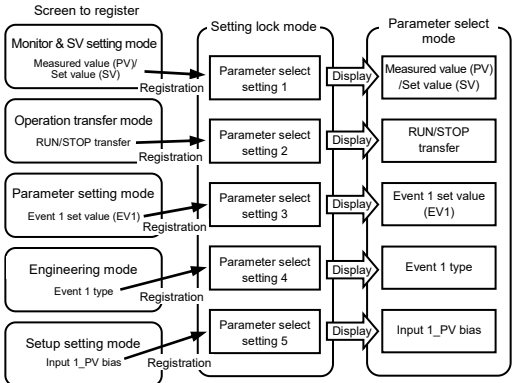
This instrument has a function that allows a user to specify desired screens to be displayed. This function is called *Parameter select function*.
Up to 16 screens can be grouped together.

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?]



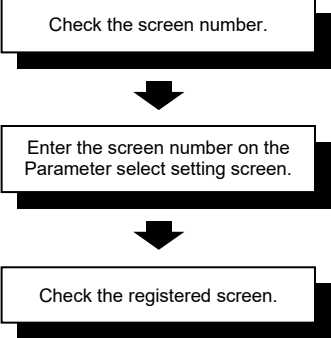
How to register screens

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.

[To register screens]

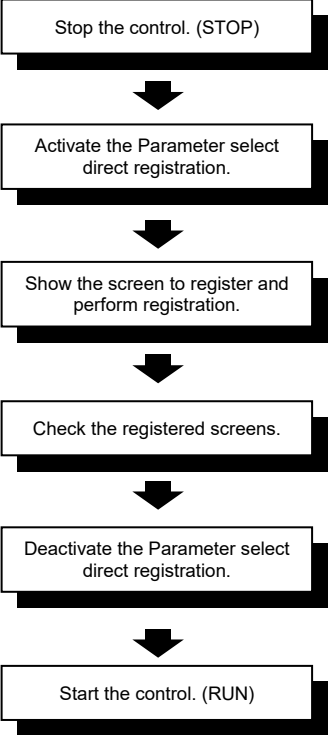


Direct registration

Activate the direct registration on the Parameter select direct registration screen in the Setting lock mode. Display the screen to register and press the [] and [] 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]



Refer to the separate manual **GZ400/GZ900 Instruction Manual [Part 2: Parameters/Functions] (IMR03D05-ED)** for detailed setting example of the direct registration.

[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.

- Check the screen number to register. The screen numbers can be found in the table of the list of parameters (this manual).

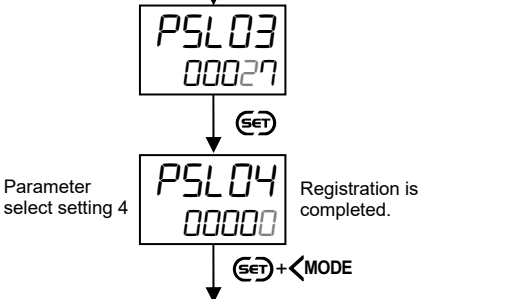
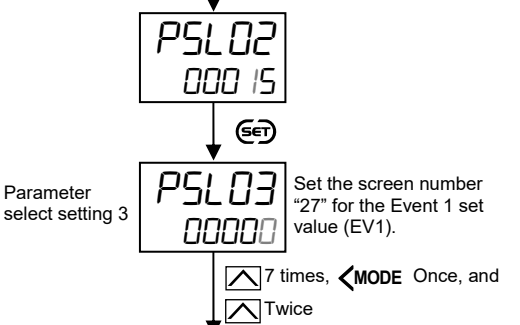
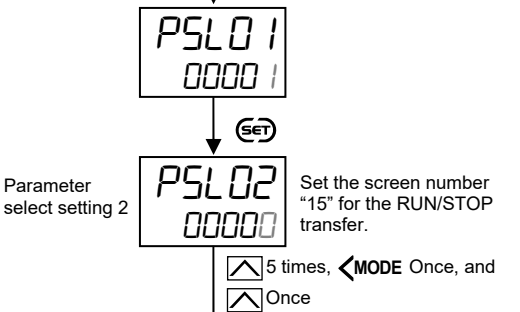
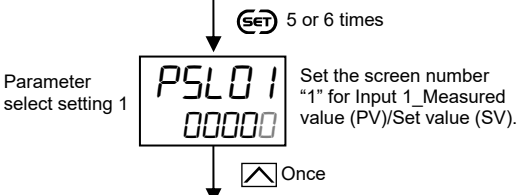
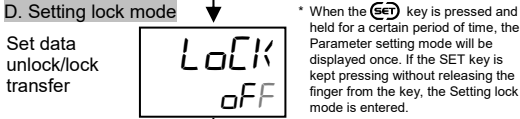
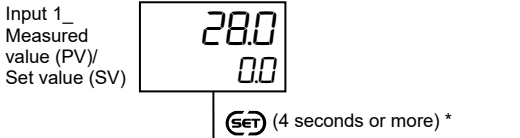
No.	Symbol	Name	Data range	Factory set value
15	R/S	RUN/STOP transfer	rUn: RUN (Control start) StoP: STOP (Control stop)	rUn

Screen number of examples

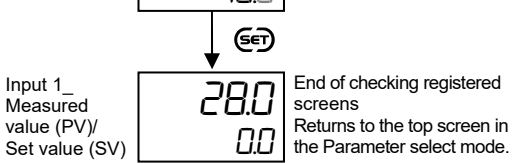
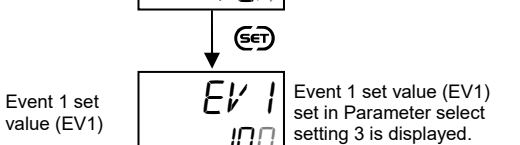
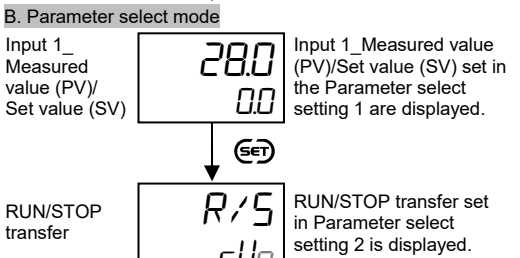
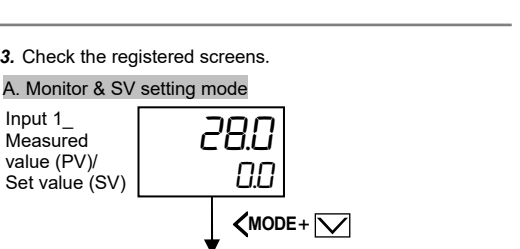
- Input 1_Measured value (PV)/Input 1_Set value (SV): 1
- RUN/STOP transfer: 15
- Event 1 set value (EV1): 27

- Set the screen number on the Parameter select setting screen in the Setting lock mode.

A. Monitor & SV setting mode



A. Monitor & SV setting mode



End of checking registered screens
Returns to the top screen in the Parameter select mode.

Blind Function

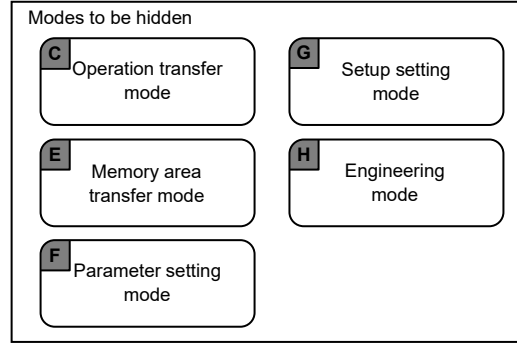
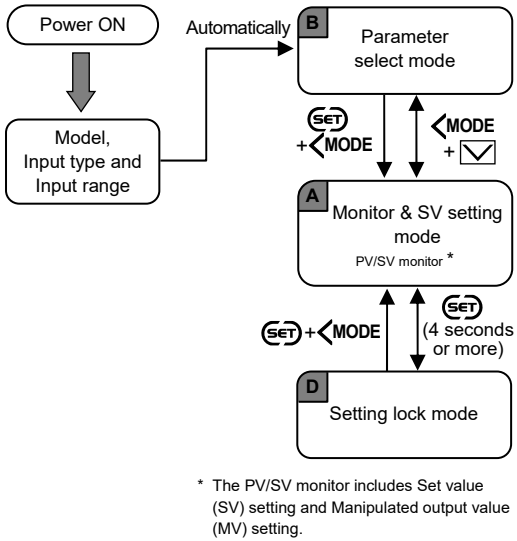
The Blind function is used to hide all screens except Parameter select mode, Setting lock mode, and Measured value (PV)/Set value (SV) monitor.

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.

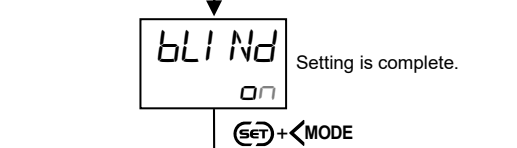
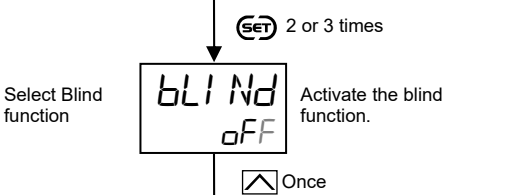
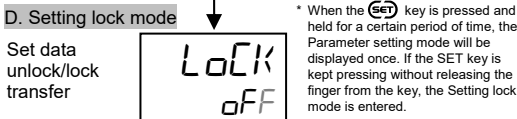
Pressing the MONI key somewhere in the Parameter select mode will bring you back to the top screen of the Parameter select mode.

[Operation flow when the Blind function is activated]

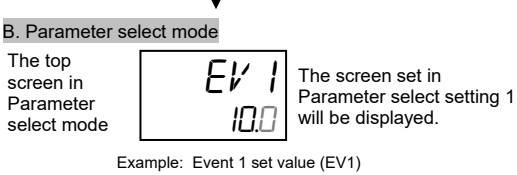
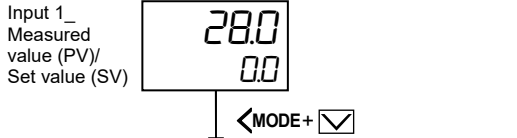


Setting of blind function

A. Monitor & SV setting mode



A. Monitor & SV setting mode



Example: Event 1 set value (EV1)

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