CC-Link Communication Converter

COM-JC [For SRZ]

Communication Data List

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IMR01Y30-E2

In order to achieve maximum performance and ensure proper operation of your new instrument, carefully read all the instructions in the manual. Please place this manual in a convenient location for easy reference.

This manual describes the communication data only.

For detailed handling procedures and functions, refer to separate COM-JC [For SRZ] Instruction Manual (IMR01Y34-E□).

The manual can be downloaded from the official RKC website:

http://www.rkcinst.com/english/manual_load.htm.

1. REMOTE INPUT/OUTPUT

Remote input (RX) and remote output (RY) is ON/OFF data.

ű "

"n" in the table is the address assigned to the master station by the station number setting. It can be calculated by the following equation. However, the computing equation is when a network is configured only by using our COM-JCs and the number of all exclusive stations/extended cyclic are at the same setting.

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Number of Occupied stations/Extended cyclic setting	Equation			
1 station occupied 1 time	$n = (Station number * - 1) \times 2$			
4 stations occupied 1 time	$n = (Station number * - 1) \times 2$			
4 stations occupied 2 times	$n = (Station number * - 1) \times 3.5$			
4 stations occupied 4 times	$n = (Station number * - 1) \times 7$			

^{*} Station number when there is one occupied station: 1 to 64 (each number can be set) Station number when there are four occupied stations: 1 to 61

(four stations are occupied for each station number, and thus only numbers that are increments of four can be set: 1, 5, 9 · · · 61)

As the calculation result is expressed in decimal number it is converted to hexadecimal number before substituted for "n" in the table.

Example: When the COM-JC is set to 4 stations occupied 1 time and its station number is "5."

 $\begin{array}{c} n=(5-1)\times 2=8 \ (\text{Decimal number}) \rightarrow 8 \ (\text{Hexadecimal number}) \\ \text{For station number 5: Remote inputs} \quad \text{RXn0 to RX (n+7) F} \rightarrow \text{RX80 to RXFF} \\ \text{Remote outputs} \quad \text{RYn0 to RY (n+7) F} \rightarrow \text{RY80 to RYFF} \end{array}$

1.1 1 Station Occupied 1 Time

■ Remote input list

Data direction: COM-JC (Remote device station) \rightarrow Master station (PLC)

Data capa	acity: 34	2-DIL		
Address		Communication item	Data range	Factory set value
RXn0	CH1	Event 1 state	0: OFF	_
RXn1		Event 2 state	I 1: ON	_
RXn2		Burnout state	I	_
RXn3		Heater break alarm (HBA) state		_
RXn4		PID/AT transfer	0: PID control	_
			1: Autotuning (AT)	
RXn5	CH2	Event 1 state	Same as CH1	_
RXn6		Event 2 state		
RXn7		Burnout state		
RXn8		Heater break alarm (HBA) state		
RXn9		PID/AT transfer		_
RXnA	Unused		_	
RXnB				
RXnC	Extended display completion		0: OFF	
RXnD	Extende	ed setting completion	1: ON	_
RXnE	Unused		_	_
RXnF	Hardware error flag		0: OFF 1: ON When COM-JC self-diagnostic error occurred except for communication error, turned ON.	
RX(n+1)0 : : : : RX(n+1)7	Reserve	ed	_	_
RX(n+1)8	Initialize	data processing request flag	0: OFF	_
RX(n+1)9		data setting completion flag	1: ON	_
RX(n+1)A		atus flag	0: OFF 1: ON When communication error occurred, turned ON.	_
RX(n+1)B	Remote		Not ready state Ready state	_
RX(n+1)C	Reserve	ed	_	_
RX(n+1)F				

■ Remote output list

Data direction: Master station (PLC) \rightarrow COM-JC (Remote device station)

Data capacity: 32-bi

Address		Communication item	Data range	Factory set value
RYn0	Bit 0	Extension number for display	Display extension number are	0
RYn1	Bit 1		specified by the ON/OFF states	
RYn2	Bit 2		of RYn0 to RYn5.	
RYn3	Bit 3		Data 0: OFF 1: ON	
RYn4	Bit 4		[Decimal number: 0 to 63]	
RYn5	Bit 5		[Decimal number: 0 to 00]	
RYn6	Bit 0	Extension number for setting	Setting extension number are	0
RYn7	Bit 1	•	specified by the ON/OFF states	
RYn8	Bit 2		of RYn6 to RYnB	
RYn9	Bit 3		Data 0: OFF 1: ON	
RYnA	Bit 4		[Decimal number: 0 to 63]	
RYnB	Bit 5]	
RYnC	Extende	ed display flag	0: OFF	0
RYnD	Extende	ed setting flag (Setting update flag)	1: ON	0

Address	Communication item	Data range	Factory set value
RYnE	Unused	_	_
RYnF	RUN/STOP transfer	COM-JC*02-1 0: RUN 1: STOP COM-JC*02-2 0: STOP 1: RUN	0
RY(n+1)0 : : RY(n+1)7	Reserved	_	_
RY(n+1)8	Initialize data processing completion flag	0: OFF	0
RY(n+1)9	Initialize data setting request flag	1: ON	0
RY(n+1)A	Error reset request flag	1	0
RY(n+1)B : RY(n+1)F	Reserved	_	_

1.2 4 Stations Occupied 1 Time

■ Remote input list

Address

Data direction: COM-JC (Remote device station) → Master station (PLC) Data capacity: 128-bit

Communication item

Address		Communication item	Data range	set value
RXn0	CH1	Event 1 state	0: OFF	
RXn1		Event 2 state	1: ON	_
RXn2	l	Burnout state		
RXn3		Heater break alarm (HBA) state]	_
RXn4		PID/AT transfer	0: PID control	_
			1: Autotuning (AT)	
RXn5	CH2	Event 1 state	Same as CH1	
RXn6	0112	Event 2 state	Garric as Gri	
			1	
RXn7		Burnout state		
RXn8		Heater break alarm (HBA) state		
RXn9		PID/AT transfer		
RXnA	Unused		_	_
RXnB				
RXnC	Extende	d display completion	0: OFF	
RXnD		d setting completion	1: ON	
RXnE	Unused		_	
RXnF		re error flag	OFF ON When COM-JC self-diagnostic error occurred except for communication error, turned ON.	_
KΛ(II+1)0 :	Unused		_	_
RX(n+1)F				
RX(n+2)0	CH3	Event 1 state	Same as CH1	_
	0.10	Event 2 state	Carrie as Or II	
RX(n+2)1			1	
RX(n+2)2	l	Burnout state	1	
RX(n+2)3		Heater break alarm (HBA) state	1	_
RX(n+2)4		PID/AT transfer		
RX(n+2)5	CH4	Event 1 state	Same as CH1	
RX(n+2)6		Event 2 state	1	_
RX(n+2)7		Burnout state	1	
			1	
RX(n+2)8		Heater break alarm (HBA) state		
RX(n+2)9		PID/AT transfer	-	
RX(n+2)A	CH 5	Event 1 state	Same as CH1	
RX(n+2)B		Event 2 state		_
RX(n+2)C		Burnout state	1	
RX(n+2)D		Heater break alarm (HBA) state	1	
		PID/AT transfer	1	
RX(n+2)E	01.10			
RX(n+2)F	CH6	Event 1 state	Same as CH1	
RX(n+3)0		Event 2 state		_
RX(n+3)1		Burnout state		_
RX(n+3)2		Heater break alarm (HBA) state	1	_
RX(n+3)3		PID/AT transfer	1	
	CH7		Como ao CLIA	
RX(n+3)4	СП/	Event 1 state	Same as CH1	
RX(n+3)5		Event 2 state	1	_
RX(n+3)6		Burnout state		
RX(n+3)7		Heater break alarm (HBA) state		_
RX(n+3)8		PID/AT transfer	1	_
RX(n+3)9	CH8	Event 1 state	Same as CH1	
RX(n+3)A	0110	Event 2 state	Garric as Gri	
			1	
RX(n+3)B		Burnout state		
RX(n+3)C		Heater break alarm (HBA) state		
RX(n+3)D		PID/AT transfer		_
RX(n+3)E	Unused		_	_
RX(n+3)F				
RX(n+4)0	CH9	Event 1 state	Same as CH1	
	CITS		Same as Off I	
RX(n+4)1		Event 2 state		
RX(n+4)2		Burnout state	1	
RX(n+4)3		Heater break alarm (HBA) state		
RX(n+4)4		PID/AT transfer		_
RX(n+4)5	CH10	Event 1 state	Same as CH1	_
RX(n+4)6		Event 2 state	1	_
RX(n+4)7		Burnout state	1	
			1	
RX(n+4)8		Heater break alarm (HBA) state		
RX(n+4)9		PID/AT transfer		_
RX(n+4)A	CH11	Event 1 state	Same as CH1	
RX(n+4)B	1	Event 2 state		_
		Burnout state]	_
RX(n+4)C			1	
RX(n+4)C RX(n+4)D				
RX(n+4)D		Heater break alarm (HBA) state		
RX(n+4)D RX(n+4)E	CLIAO	Heater break alarm (HBA) state PID/AT transfer	Come on CI Id	
RX(n+4)D RX(n+4)E RX(n+4)F	CH12	Heater break alarm (HBA) state PID/AT transfer Event 1 state	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0	CH12	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F	CH12	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1	CH12	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)2	CH12	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)2 RX(n+5)3		Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer		
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)2 RX(n+5)3 RX(n+5)4	CH12	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state	Same as CH1 Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)2 RX(n+5)3 RX(n+5)4 RX(n+5)5		Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state		
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)2 RX(n+5)3 RX(n+5)4		Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state		
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)2 RX(n+5)3 RX(n+5)4 RX(n+5)5 RX(n+5)6		Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state		
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)D RX(n+5)1 RX(n+5)2 RX(n+5)3 RX(n+5)4 RX(n+5)5 RX(n+5)6 RX(n+5)7		Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state		
RX(n+4)D RX(n+4)E RX(n+4)E RX(n+5)0 RX(n+5)1 RX(n+5)2 RX(n+5)3 RX(n+5)4 RX(n+5)5 RX(n+5)6 RX(n+5)6 RX(n+5)7 RX(n+5)8	CH13	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)2 RX(n+5)3 RX(n+5)4 RX(n+5)5 RX(n+5)6 RX(n+5)6 RX(n+5)7 RX(n+5)8 RX(n+5)9		Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state		
RX(n+4)D RX(n+4)E RX(n+4)E RX(n+5)D RX(n+5)1 RX(n+5)1 RX(n+5)2 RX(n+5)2 RX(n+5)4 RX(n+5)6 RX(n+5)6 RX(n+5)7 RX(n+5)8 RX(n+5)8 RX(n+5)9	CH13	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Event 2 state Event 2 state Event 2 state	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)2 RX(n+5)3 RX(n+5)4 RX(n+5)5 RX(n+5)6 RX(n+5)6 RX(n+5)7 RX(n+5)8 RX(n+5)9	CH13	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state PID/AT transfer Event 2 state Burnout state	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)1 RX(n+5)3 RX(n+5)4 RX(n+5)5 RX(n+5)6 RX(n+5)7 RX(n+5)8 RX(n+5)8 RX(n+5)8 RX(n+5)9 RX(n+5)4 RX(n+5)8 RX(n+5)8	CH13	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state PID/AT transfer Event 2 state Burnout state	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)D RX(n+5)D RX(n+5)D RX(n+5)B RX(n+5)B RX(n+5)B RX(n+5)B RX(n+5)B RX(n+5)B RX(n+5)B RX(n+5)B RX(n+5)B RX(n+5)B RX(n+5)B	CH13	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state	Same as CH1	
RX(n+4)D RX(n+4)E RX(n+4)F RX(n+5)0 RX(n+5)1 RX(n+5)1 RX(n+5)3 RX(n+5)4 RX(n+5)5 RX(n+5)6 RX(n+5)7 RX(n+5)8 RX(n+5)8 RX(n+5)8 RX(n+5)9 RX(n+5)4 RX(n+5)8 RX(n+5)8	CH13	Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state Heater break alarm (HBA) state PID/AT transfer Event 1 state Event 2 state Burnout state PID/AT transfer Event 2 state Burnout state	Same as CH1	

Address		Communication item	Data range	Factory set value
RX(n+6)0	CH15	Event 1 state	Same as CH1	_
RX(n+6)1	1	Event 2 state	1	_
RX(n+6)2	Ī	Burnout state	1	_
RX(n+6)3		Heater break alarm (HBA) state		_
RX(n+6)4		PID/AT transfer		_
RX(n+6)5	CH16	Event 1 state	Same as CH1	_
RX(n+6)6		Event 2 state		
RX(n+6)7	1	Burnout state		_
RX(n+6)8		Heater break alarm (HBA) state		
RX(n+6)9		PID/AT transfer		
RX(n+6)A	Unused	i	_	_
:				
RX(n+6)F				
RX(n+7)0	Reserv	ed	_	_
`: `				
RX(n+7)7				
RX(n+7)8	Initialize	e data processing request flag	0: OFF	_
RX(n+7)9	Initialize	e data setting completion flag	1: ON	_
RX(n+7)A		atus flag	0: OFF	
` '		3	1: ON	
			When communication error	
			occurred, turned ON.	
RX(n+7)B	Remote	e ready	Not ready state	_
			1: Ready state	
RX(n+7)C	Reserv	ed		_
RX(n+7)F				

■ Remote output list

Factory set value

Data range

Data direction: Master station (PLC) → COM-JC (Remote device station)

Data capacity: 128-bit

Address		Communication item	Data range	Factory set value
RYn0	Bit 0	Extension number for display	Display extension number are	0
RYn1	Bit 1		specified by the ON/OFF states	
RYn2	Bit 2		of RYn0 to RYn5 and RY(n+1)0	
RYn3	Bit 3		to RY(n+1)2.	
RYn4	Bit 4		Data 0: OFF 1: ON	
RYn5	Bit 5		[Decimal number: 0 to 511]	
RYn6	Bit 0	Extension number for setting	Setting extension number are	0
RYn7 RYn8	Bit 1 Bit 2		specified by the ON/OFF states of RYn6 to RYnB and	
RYn9	Bit 3		RY(n+1)8 to RY(n+1)A.	
RYnA	Bit 4		Data 0: OFF 1: ON	
RYnB	Bit 5		[Decimal number: 0 to 511]	
RYnC		d display flag	0: OFF	0
RYnD		d setting flag (Setting update flag)	1: ON	0
RYnE	Unused	3 - 3 (3)	_	_
RYnF	RUN/ST	OP transfer	COM-JC*02-1 0: RUN	0
			1: STOP COM-JC*02-2 0: STOP 1: RUN	
RY(n+1)0	Bit 6	Extension number for display	Display extension number are	0
RY(n+1)1	Bit 7	Bit 9 to Bit 13: Unused	specified by the ON/OFF states	
RY(n+1)2	Bit 8]	of RYn0 to RYn5 and RY(n+1)0	
RY(n+1)3	Bit 9		to RY(n+1)2.	
RY(n+1)4	Bit 10		Data 0: OFF 1: ON	
RY(n+1)5	Bit 11		[Decimal number: 0 to 511]	
RY(n+1)6	Bit 12 Bit 13	-		
RY(n+1)7 RY(n+1)8	Bit 13	Extension number for setting	Setting extension number are	0
RY(n+1)9	Bit 7	Bit 9 to Bit 13: Unused	specified by the ON/OFF states	U
RY(n+1)A	Bit 8	Bit 9 to Bit 13. Offuseu	of RYn6 to RYnB and	
RY(n+1)B	Bit 9	1	RY(n+1)8 to RY(n+1)A.	
RY(n+1)C	Bit 10	i	Data 0: OFF 1: ON	
RY(n+1)D	Bit 11	1	[Decimal number: 0 to 511]	
RY(n+1)E	Bit 12	1	[Bedinarnamber: 0 to 011]	
RY(n+1)F	Bit 13			
RY(n+2)0	Bit 0	Area number for display	Display area number are	0
RY(n+2)1	Bit 1	Bit 4 to Bit 7: Unused	specified by the ON/OFF states	
RY(n+2)2	Bit 2		of RY(n+2)0 to RY(n+2)3.	
RY(n+2)3	Bit 3		Data 0: OFF 1: ON	
RY(n+2)4	Bit 4		[Decimal number: 0 to 16]	
RY(n+2)5	Bit 5	1	(0, 9 to 16: Control area)	
RY(n+2)6 RY(n+2)7	Bit 7	1		
RY(n+2)7 RY(n+2)8	Bit 7	Area number for setting	Setting area number are	0
RY(n+2)9	Bit 1	Bit 4 to Bit 7: Unused	specified by the ON/OFF states	ı
RY(n+2)A	Bit 2	St 4 to St 7. Onused	of RY(n+2)8 to RY(n+2)B.	
RY(n+2)B	Bit 3	1	Data 0: OFF 1: ON	
RY(n+2)C	Bit 4	1	[Decimal number: 0 to 16]	
RY(n+2)D	Bit 5]	(0, 9 to 16: Control area)	
RY(n+2)E	Bit 6]		
RY(n+2)F	Bit 7			
RX(n+3)0 :	Unused		_	_
RX(n+6)F	Deser	۸		
RY(n+7)0 : : RY(n+7)7	Reserve	u	_	
RY(n+7)7	Initialize	data processing completion flag	0: OFF	0
RY(n+7)9		data setting request flag	1 0. OFF	0
RY(n+7)A		set request flag	5	0
RY(n+7)B	Reserve		_	
: ',:.		-		
RY(n+7)F				
. /				

For remote input/output address of 4 stations occupied 2 times and 4 stations occupied 4 times, refer to COM-JC [For SRZ] Instruction Manual (IMR01Y34-ELI).

2. REMOTE REGISTER

Remote registers (RWr, RWw) is numeric data.

"n" in the table is the address assigned to the master station by the station number setting. It can be calculated by the following equation. However, the computing equation is when a network is configured only by using our COM-JCs and the number of all Occupied stations/Extended cyclic are at the same setting.

Number of Occupied stations/Extended cyclic setting	Equation
1 station occupied 1 time	$n = (Station number * - 1) \times 4$
4 stations occupied 1 time	$n = (Station number * - 1) \times 4$
4 stations occupied 2 times	$n = (Station number * - 1) \times 8$
4 stations occupied 4 times	$n = (Station number * - 1) \times 16$

Station number when there is one occupied station: 1 to 64 (each number can be set)
Station number when there are four occupied stations: 1 to 61

Station number when there are four occupied stations: 1 to 61 (four stations are occupied for each station number, and thus only

numbers that are increments of four can be set: 1, 5, 9 · · · 61)

As the calculation result is expressed in decimal number it is converted to hexadecimal number before substituted for "n" in the table.

Example: When the COM-JC is set to 4 stations occupied 1 time and its station

number is "5." $n = (5-1) \times 4 = 16$ (Decimal) $\rightarrow 10$ (Hexadecimal)

For station number 5:

Remote registers RWm to RWm+F → RWr10 to RWr1F

RWwn to RWwn+F → RWw10 to RWw1F

Data direction of remote registers (RWr, RWw)

RWr: COM-JC (Remote device station) → Master station (PLC)

RWw: Master station (PLC) → COM-JC (Remote device station)

When the "set value (SV)" assigned to the remote register (RWw) as a fixed value is changed, operation of the extension setting flag (setting update flag) is also necessary. For details, refer to COM-JC [For SRZ] Quick Instruction Manual (IMR01/26-ED)

2.1 1 Station Occupied 1 Time (1 Channel Assignment)

■ Remote register (RWr) list

Data capacity: 4 words

l	Address		Communication item	Data range	Factory set value
I	RWm	CH1	Measured value (PV)	Input scale low to Input scale high	_
I	RWm+1		Manipulated output value (MV1)	-5.0 to +105.0 %	_
I	RWm+2		Unused		_
	RWm+3		For extended area display	Data corresponding to the extension number specified by setting the display extension number from RYn0 to RYn5.	

■ Remote register (RWw) list

Data capacity: 4 words

Address		Communication item	Data range	Factory set value
RWwn	CH1	Set value (SV)	Setting limiter low to Setting limiter high	0
RWwn+1		Event 1 set value	Deviation action, Deviation action between channels: —Input span to +Input span	50
RWwn+2		Event 2 set value	Process action, SV action: Input scale low to Input scale high Manipulated output value (MV): -5.0 to +105.0 %	50
RWwn+3		For extended area setting	Data corresponding to the extension number specified by setting the setting extension number from RYn6 to RYnB.	_

2.2 1 Station Occupied 1 Time (2 Channels Assignment)

■ Remote register (RWr) list

Data capacity: 4 words

Address		Communication items	Data range	Factory set value
RWm	CH1	Measured value (PV)	Input scale low to	_
		Measured value (PV)	Input scale high	
RWm+2	CH1	For extended area display	Data corresponding to the extension number specified by setting the display	_
RWm+3	CH2	For extended area display	extension number from RYn0 to RYn5.	_

■ Remote register (RWw) list

ata capacity: 4 words

Address		Communication items	Data range	Factory set value
RWwn	CH1	Set value (SV)	Setting limiter low to	0
RWwn+1	CH2	Set value (SV)	Setting limiter high	0
RWwn+2	CH1	For extended area setting	Data corresponding to the extension number specified by setting the setting	_
RWwn+3	CH2	For extended area setting	extension number from RYn6 to RYn8	_

2.3 4 Stations Occupied 1 Time (8 Channels Assignment)

■ Remote register (RWr) list

Data capacity: 16 words

Address	Communication items Data range		Factory set value	
RWm	CH1	Measured value (PV)	Input scale low to Input scale high	_
RWm+1	CH2	Measured value (PV)		_
RWm+2	CH3	Measured value (PV)		_
RWm+3	CH4	Measured value (PV)		_
RWm+4	CH5	Measured value (PV)		_
RWm+5	CH6	Measured value (PV)		_
RWm+6	CH7	Measured value (PV)		_
RWm+7	CH8	Measured value (PV)		_
RWm+8	CH1	For extended area display	Data corresponding to the extension	_
RWm+9	CH2	For extended area display	number specified by setting the display	_
RWm+A	CH3	For extended area display	extension number from RYn0 to RYn5	_
RWm+B	CH4	For extended area display	and from RY(n+1)0 to RY(n+1)2.	_
RWm+C	CH5	For extended area display		_
RWm+D	CH6	For extended area display		_
RWm+E	CH7	For extended area display	1	_
RWm+F	CH8	For extended area display	1	_

■ Remote register (RWw) list

Data capacity: 16 word

Address		Communication items	Data range	Factory set value
RWwn	CH1	Set value (SV)	Setting limiter low to	0
RWwn+1	CH2	Set value (SV)	Setting limiter high	0
RWwn+2	CH3	Set value (SV)		0
RWwn+3	CH4	Set value (SV)		0

Address	Co	ommunication items	Data range	Factory set value
RWwn+4	CH5	Set value (SV)	Setting limiter low to	0
RWwn+5	CH6	Set value (SV)	Setting limiter high	0
RWwn+6	CH7	Set value (SV)		0
RWwn+7	CH8	Set value (SV)		0
RWwn+8	CH1	For extended area setting	Data corresponding to the extension	_
RWwn+9	CH2	For extended area setting	number specified by setting the	_
RWwn+A	CH3	For extended area setting	setting extension number from RYn6	_
RWwn+B	CH4	For extended area setting	to RYnB and from RY(n+1)8 to	_
RWwn+C	CH5	For extended area setting	RY(n+1)A.	_
RWwn+D	CH6	For extended area setting		_
RWwn+E	CH7	For extended area setting		_
RWwn+F	CH8	For extended area setting		_

2.4 4 Stations Occupied 1 Time (16 Channels Assignment)

■ Remote register (RWr) list

Data capa	icity. To	Words		
Address	Co	ommunication items	Data range	Factory set value
RWm	CH1	For extended area display	Data corresponding to the extension	_
RWm+1	CH2	For extended area display	number specified by setting the	_
RWm+2	CH3	For extended area display	display extension number from RYn0	_
RWm+3	CH4	For extended area display	to RYn5 and from RY(n+1)0 to	_
RWm+4	CH5	For extended area display	RY(n+1)2.	_
RWm+5	CH6	For extended area display		_
RWm+6	CH7	For extended area display		_
RWm+7	CH8	For extended area display		_
RWm+8	CH9	For extended area display		_
RWm+9	CH10	For extended area display		_
RWm+A	CH11	For extended area display		_
RWm+B	CH12	For extended area display		_
RWm+C	CH13	For extended area display		_
RWm+D	CH14	For extended area display		_
RWm+E	CH15	For extended area display		_
RWm+F	CH16	For extended area display		_

■ Remote register (RWw) list

Data capacity: 16 words

Address	Co	ommunication items	Data range	Factory set value
RWwn	CH1	For extended area setting	Data corresponding to the extension	_
RWwn+1	CH2	For extended area setting	number specified by setting the	_
RWwn+2	CH3	For extended area setting	setting extension number from RYn6	_
RWwn+3	CH4	For extended area setting	to RYnB and from RY(n+1)8 to	_
RWwn+4	CH5	For extended area setting	RY(n+1)A.	_
RWwn+5	CH6	For extended area setting	` '	_
RWwn+6	CH7	For extended area setting		_
RWwn+7	CH8	For extended area setting		_
RWwn+8	CH9	For extended area setting		_
RWwn+9	CH10	For extended area setting		_
RWwn+A	CH11	For extended area setting		_
RWwn+B	CH12	For extended area setting		_
RWwn+C	CH13	For extended area setting		_
RWwn+D	CH14	For extended area setting		_
RWwn+E	CH15	For extended area setting		_
RWwn+F	CH16	For extended area setting		_

For remote input/output address of 4 stations occupied 2 times and 4 stations occupied 4 times, refer to COM-JC [For SRZ] Instruction Manual (IMR01Y34-ED).

3. SETTING OF EXTENSION NUMBER

Communication items which are handled in the extension areas of the remote registers (RWr and RWw) are specified by the extension number. If the necessary data is selected from a list of extension numbers and that extension number is set by remote output, the data can be handled in the remote registers (RWr and RWw).

■ When read data

Setting of extension number for display

Extension number for display sets it with remote output "RYn0 to RYn5, RY(n+1)0 to RY(n+1)2."

RY(n+1)2	RY(n+1)1	RY(n+1)0	RYn5	RYn4	RYn3	RYn2	RYn1	RYn0
Bit 8	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0

Bit data: 0: OFF 1: ON [Decimal number: 0 to 511]

■ When write data

Setting of extension number for setting

Extension number for setting sets it with remote output "RYn6 to RynB, RY(n+1)8 to RY(n+1)A."

E	Bit image								
	RY(n+1)A	RY(n+1)9	RY(n+1)8	RYnB	RYnA	RYn9	RYn8	RYn7	RYn6
	Bit 8	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0

Bit data: 0: OFF 1: ON [Decimal number: 0 to 511]

Example: When setting the setting extension number to the set value (SV), "3." Number of Occupied stations/Extended cyclic setting: 4 stations occupied 1 time

Bit 8 Bit 7 Bit 6 Bit 5 Bit 4 Bit 3 Bit 2 Bit 1 Bit 0 **→** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 Set value (SV)

For extension number of memory area, refer to COM-JC [For SRZ] Instruction Manual (IMR01Y34-E□).

4. EXTENSION NUMBER LIST

Attribute

RO: Read only data [COM-JC (Remote device station) → Master station (PLC)] R/W: Read and write data [COM-JC (Remote device station) ↔ Master station (PLC)]

-5.0 to +105.0 %

alue (MV) monitor

Unused

Operation mode

Set value monitor

33 Memory area transfer R/W 1 to 8

Varies with the setting of the decimal point position selection.

rror code

Correspondence module and occupation CH: Module types corresponding to each communication item and number of

occupied channels per module Data related multi-memory area function When Heat/Cool PID control or position proportioning PID control is performed, the 2nd channel and 4th channel of Z-TIO module are invalid communication data. [Read is possible (0 is shown), but the result of Write is disregarded.] Data range Input scale low to Input scale high Manipulated output ID control or Heat/Cool PID contro Z-TIO: 4

osition proportioning PID control heat-sidel 🐣 with FBR input): 0.0 to 100.0 9 Current transformer .0 to 30.0 A (CTL-6-P-N) CT) input value monitor 0.0 to 100.0 A (CTL-12-S56-10L-N) Setting limiter low to Setting limiter high TC/RTI PID control PID/AT transfer Autotuning (AT TC/RTD inputs: 0 (0.0) to Input span ² (Unit: °C [°F]) Z-TIO: 4 TC/RTE eat-side1 * 30 V/I: 30.0 oltage (V)/Current (I) inputs: 0.0 to 1000.0 % of Input span , 0.0: ON/OFF action) PID control or Heat/Cool PID co 0 to 3600 seconds or Z-TIO: 4 Integral tim 240 eat-side] ★♣ 0.0 to 1999.9 seconds (0, 0.0: PD action) osition proportioning PID control: 1 to 3600 seconds or 0.1 to 1999 9 seconds to 3600 seconds or Z-TIO: 4 eat-side] ** 0.0 to 1999.9 seconds 8 PV bias Z-TIO: 4 -Input span to +Input span Event 1 set value Z-TIO: 4 50 tween channels, Temperature rise ompletion range -Input span to +Input span rocess action, SV action:
Input scale low to Input scale high Event 2 set value ★ Z-TIO: 4 50 lanipulated output value (MV): -5.0 to +105.0 % When temperature rise completion selected at Event 3 action type. RUN/STOP transfe COM-JC*02-1 0: RUN Z-DIO: COM-JC*02-2 0: STOP 1 to 100.0 seconds roportional cycle M: Relay contact
T: Triac
V: Voltage pulse
D: Open collector Auto/Manual transfer : Auto mode Z-TIO: 4 Manual mode 20 Manual manipulate PID control. Position proportioning PID 0.0 utput value 🌲 ontrol (with FBR input) Output limiter low to Output limiter high leat/Cool PID control: Output limiter high [cool-side] toOutput limiter high [heat-side] Position proportioning PID control without FBR input). 0: Close-side output OFF, Open-side output OFF Close-side output ON Open-side output ON 21, 22 Data of Engineering mo 23 PV digital filter 24 Heater break alarm R/W | 0.0 to 100.0 seconds (0.0: Unused) R/W | 0.0 to 30.0 A (CTL-6-P-N) 0.0 to 100.0 A (CTL-12-S56-10L-N) (HBA) set value 25 Data of Engineering -5 0 to +105 0 % 7-TIO: 4 value (MV) monitor cool-side] & roportional band cool-side] ★♣ TC/RTD inputs: 1 (0.1) to Input span ² (Unit: °C [°F]) Voltage (V)/Current (I) inputs: 30 V/I: 30.0 0.1 to 1000.0 % of Input span

[Decimal number: 0 to 63] For the operation, refer to the "3. CC-Link Flag Operation" of the COM-JC [For SRZ] Quick Instruction Manual (IMR01Y26-E□).

C/RTD inputs

Monitor

Control

-Input span to +Input span (Unit: °C [°F])

/oltage (V)/Current (I) inputs:
-100.0 to +100.0 % of Input span

Minus (–) setting results in overlap

Setting limiter low to Setting limiter high

Monitor + Event function

Bit 0: Adjustment data error

Bit 5: Logic output data error Bit 6 to Bit 15: Unused

Bit 1: Data back-up error Bit 2: A/D conversion error

Bit 3 and Bit 4: Unused

Data 0: OFF

Varies with the setting of the Integral/Derivative time decimal point position selection For the data, refer to the COM-JC [For SRZ] Instruction Manual (IMR01Y34-EII).

Z-TIO: 4

Z-DIO:

Z-TIO: 4

110 Link area number ★ RW 0 to 8 (0: No link)

rea soak time 🖈

Varies with the setting of the decimal point position selection.

Varies with the setting of the Integral/Derivative time decimal point position selection

Integral time RW 0 to 3600 seconds or 0.0 to 1999.9 [cool-side] ★♣ seconds 3(0, 0.0: PD action) For the data, refer to the COM-JC [For SRZ] Instruction Manual (IMR01Y34-EII).

129 Area so function 130 Minimun 131 DO minimum of propor 132 DO propor 132 DO minimum of propor 133 to 139 Unused 140 Heater to determin 141 Heater of determin 142 PV ratio 143 PV lovi 144, 145 Unused 146 Backup monitor 147 Logic out 148 RS bias 149 RS digits 150 RS ratio 151 to 153 Unused 154 Output of selection 155 Output of selection 156 Output of selection 157 DO output of selection 158 DO output of selection 159 DO output of selection 150 Startup of selection 150 Startup of selection 150 Startup of selection 150 Action of selection 150 Action of selection 150 Action of selection of selection 150 Action of selection of selection 150 Action of selection of selection of selection 150 Action of selection	del ** greset * pak time stop m ON/OFF time stop m ON/OFF time pritoning cycle minum ON/OFF time proportional cycle prop	RW RW RO RO RO RO RW	0 to 3600 seconds or 0.0 to 1999.9 seconds '(0, 0.0: Pl action)	Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-DIO: 8 Z-DIO: 8 Z-DIO: 8 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4 Z-TIO: 5	0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
14 to 127 Unused 128 Manual 129 Area sor function 130 Minimun of proportion 131 DO minimun of proportion 132 DO proportion 134 Do proportion 140 Heater better the determin determin 141 Heater better the determin determin 142 PV ratio 143 PV low i 144 Heater better the determin determin 144 DV low i 145 Unused 146 Backup monitor 147 Logic out 150 RS ratio 150 RS ratio 151 To Support 155 Output of selection 156 Output of selection 157 DO output of selection 158 Do output of selection 159 DO output of selection 341 Integrate time mon 342 Holding grambient monter 43 to 349 Unused 350	reset * mest * mest * monoportional cycle imum oN/OFF time ortioning cycle imum oN/OFF imoportional cycle opportional cy	RW RW RW RO RW		Z-TIO: 4 Z-DIO: 8 Z-DIO: 8 Z-DIO: 8 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	0 0 0 0 0 2 30.0 30.0 1.00 0 0.0 1.00 0 0.0 1.00
129 Area soc function 130 Minimun of propor 131 DO minimal time of propor 132 DO minimal time of propor 133 to 139 Unused 140 Heater to determin 141 Heater of determin 142 PV ratio 143 PV lowin 144, 145 Unused 146 Backup monitor 147 Logic out 148 RS bias 149 RS digit 150 RS ratio 151 to 153 Unused 154 Output of selection 155 Output of selection 156 Output of selection 157 DO output of selection 158 DO output of selection 159 DO output of selection 150 RS ratio 151 to 153 Unused 151 to 153 Unused 155 Output of selection 156 Output of selection 157 DO output of selection 158 DO output of selection 159 DO output of selection 150 Startup 1 151 to 355 Data of 1 155 Output of selection 155 Output of selection 156 Automating selection 157 to 499 Data of 1 150 Action in 150 Action in	and time stop m ON/OFF time m ON/OFF time ordioning cycle imum ON/OFF proportional cycle imum ON/OFF proportional cycle di break ination point melting ination point melting ination point melting ination point the proportional cycle di distribution point set tall filter di distribution bias distribution ratio put distribution in put distribution put distribution in put distribution in put distribution	RW RW RW RO RW	D: No function 3: Event 3 1: Event 1 4: Event 4 2: Event 2 0 to 1000 ms 0 to 1000 ms 0.1 to 100.0 seconds M: Relay contact output D: Open collector output	Z-TIO: 4 Z-DIO: 8 Z-DIO: 8 Z-DIO: 8 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	0 0 0 0 0 2 30.0 30.0 1.00 0 0.0 1.00 0 0.0 1.00
function	m ON/OFF time of time of the proportional cycle opportional opportional cycle opport	RW R	1: Event 1 2: Event 2 2: Event 2 0 to 1000 ms 0 to 1000 ms 0 to 1000 ms 0.1 to 100.0 seconds M: Relay contact output D: Open collector output	Z-TIO: 4 Z-DIO: 8 Z-DIO: 8 Z-DIO: 8 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	0 0 0 30.1 30.0 1.00 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0
130 Minimum of proportion of p	m ON/OFF time ortioning cycle imrum ON/OFF proportional cycle imrum ON/OFF proportional cycle opportional cycle opportio	RW RW RW RW RW RO RO RO RO RO RO RW RW RW RW RW RW RW RW	2: Event 2 0 to 1000 ms 0 to 1000 ms 0.1 to 100.0 seconds M: Relay contact output D: Open collector output D: Open collector output 0.0 to 100.0 % of HBA set value (0.0: Heater break determination is invalid) 0.0 to 100.0 % of HBA set value (0.0: Heater melting determination is invalid) 0.500 to 1.500 0.00 to 25.00 % of Input span	Z-DIO: 8 Z-DIO: 8 Z-DIO: 8 Z-TIO: 4 Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	0 M: 20 D: 2
131 DO mini time of proportion	ortioning cycle imum ON/OFF impum ON/OFF imp	RW RW RW RW RW RO RO RO RO RO RO RW RW RW RW RW RW RW RW	0 to 1000 ms 0.1 to 100.0 seconds M: Relay contact output D: Open collector output	Z-DIO: 8 Z-DIO: 8 Z-DIO: 8 Z-TIO: 4 Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	0 M: 20 D: 2
132 Do pro 133 to 139 Unused 140 Heater determin 141 Heater determin 142 PV ratio 143 PV low 144, 145 Unused 146 Backup monitor 147 Logic ou 148 RS bias 149 RS digit 150 RS ratio 151 Unused 155 Output c selection 155 Output c 156 Output c 157 DO outp selection 158 DO outp selection 159 DO outp ratio 60 to 340 Data of 1 341 Integrate 159 Do outp 150 Do ou	proportional cycle opportional cycle opportional cycle opportional cycle of the cycle of the cycle opportional cycle of the cycle opportional cycle opportional cycle opportional opportional cy	RW R	0.1 to 100.0 seconds M: Relay contact output D: Open collector output 0.0 to 100.0 % of HBA set value (0.0: Heater break determination is invalid) 0.0 to 100.0 % of HBA set value (0.0: Heater break determination is invalid) 0.500 to 1.500 0.00 to 25.00 % of Input span 0: The content of the backup memory does not coincide with that of the RAM. 1: The content of the backup memory coincides with that of the RAM. Bit data Bit 0: Logic output 1 Bit 5: Logic output 6 Bit 1: Logic output 2 Bit 6: Logic output 3 Bit 7: Logic output 4 Bit 8: Logic output 4 Bit 8: Logic output 4 Bit 8: Logic output 8 Bit 3: Cogic output 4 Bit 8: Logic output 5 Bit 4: Logic output 5 Bit 4: Logic output 6 Data 0: OFF 1: ON [Decimal number: 0 to 255] -Input span to + Input span 2 0.0 to 100.0 seconds (0.0: Unused) 0.001 to 9.999 0: Control output 1: Distribution output -100.0 to +100.0 % -9.999 to +9.999 0: DO output 1: Distribution output 1: Distribution output	Z-DIO: 8	M: 202 D: 2 2 30.0 30.0 1.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
time	break ination point melting ination point or input cut-off of the point of the poin	RW RW RO RO RO RO RO RW RW RW RW RW RW RW RW	M: Relay contact output D: Open collector output D: Open collector output D: Open collector output D: Open collector output O: Heater break determination is invalid) O: 0 to 100.0 % of HBA set value (0.0: Heater melting determination is invalid) O: 500 to 1:500 O: 0 to 25:00 % of Input span D: The content of the backup memory does not coincide with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the backup memory coincides with that of the RAM. D: The content of the Backup memory coincides	Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	D: 22
140 Heater bedeemin 141 Heater redetermin 142 PV ratio 143 PV lowi 144 Junused 146 Backup monitor 147 Logic out 148 RS bias 149 RS digit 150 RS ratio 151 to 153 Unused 154 Output c 155 Output c 156 Output c 157 Do output c 158 Do output c 159 Do output c 150 Output c 151 Do output c 158 Do output c 159 Do output c 150 Output c 151 Do output c 158 Do output c 159 Do output c 150 Output c 151 Integrate 152 Do output c 153 Do output c 154 Integrate	break ination point melting ination point melting ination point or input cut-off of memory state or input cut-off of memory state or input cut-off of memory state or input distribution on distribution put distribution on put distribution put distribution on put distribution point distributi	RWW RWW	(0.0: Heater break determination is invalid) 0.0 to 100.0 % of HBA set value (0.0: Heater melting determination is invalid) 0.500 to 1.500 0.00 to 25.00 % of Input span	Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	30.1 1.0C0 0.0 0.0 0.0 1.0C0 0.0 0.0 0.1 1.0C0
142	ination point p	RW RW RO RO RO RO RW	0.0 to 100.0 % of HBA set value (0.0: Heater melting determination is invalid) 0.500 to 1.500 0.00 to 1.500 0.00 to 25.00 % of Input span 0: The content of the backup memory does not coincide with that of the RAM. Bit data Bit 0: Logic output 1 Bit 5: Logic output 6 Bit 1: Logic output 2 Bit 6: Logic output 7 Bit 2: Logic output 3 Bit 7: Logic output 8 Bit 8: Dit 15: Bit 4: Logic output 4 Bit 8: Dit 15: Bit 4: Logic output 5 Unused Data 0: OFF 1: ON [Decimal number: 0 to 255] —Input span to + Input span 2 0.0 to 100.0 seconds (0.0: Unused) 0.001 to 9.999 0: Control output -100.0 to +100.0 % -9.999 to +9.999 0: Do output 1: Distribution output -10.10 to 100.0 to +100.0 % -9.999 to +9.999 0: Do output 1: Distribution output	Z-TIO: 4 Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	0 0.0 0.0 0.0 0.0 1.00 0.0 0.1
143 PV low i 144, 145 Unused 146 Backup monitor 147 Logic ou 148 RS bias 149 RS digit 150 RS ratio 151 TS statio 155 Output c 156 Output c 157 DO outp 158 DO outp 159 DO outp 160 to 340 Data of I 341 Integrate Integrate 148 RS bias 159 Do outp it 160 to 340 Data of I 341 Integrate Integrate 140 mem Hodding 341 Integrate 342 Holding 343 Output c 343 to 349 Unused 351 to 355 Data of I 357 to 499 Data of I 350 Action in	input cut-off o memory state utput monitor stal filter oddistribution in distribution ratio put distribution put distribution put distribution put distribution	RW RW RW RW RW RW RW RW	0.00 to 25.00 % of Input span	Z-TIO: 4 Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	0.0 0.0 0.0 1.00 0.0 1.00
144, 145 Unused 146 Backup monitor 147 Logic ou 148 RS bias 149 RS digits 150 RS ratio 151 to 153 Unused 155 Output conselection 156 Output conselection 158 DO outpoins 159 DO outpoins 159 DO outpoins 159 Pool outpoins 159 Holding ratio 341 Integral Integral Integral 343 Integral 343 Integral 343 Integral 351 Integral 351 Integral 355 Data of Integral 357 Integral 357 Integral 357 Integral 357 Integral 357 Integral 358 Integral 359 Integral 350 Integral </td <td>memory state utput monitor stal filter distribution on distribution put distribution put distribution put distribution put distribution put distribution</td> <td>RO RO RO RW RW RW RW RW RW</td> <td>0: The content of the backup memory does not coincide with that of the RAM. 1: The content of the backup memory coincides with that of the RAM. Bit C: Logic output 1 Bit 5: Logic output 6 Bit 1: Logic output 2 Bit 6: Logic output 8 Bit 2: Logic output 3 Bit 2: Logic output 4 Bit 8: to Bit 15: Bit 4: Logic output 4 Bit 8: to Bit 15: Bit 4: Logic output 5 Unused Data 0: OFF 1: ON [Decimal number: 0 to 255] —Input span to + Input span 2 0.0 to 100.0 seconds (0.0: Unused) 0.001 to 9.999 — O: Control output 1: Distribution output -100.0 to +100.0 % -9.999 to +9.999 0: DO output 1: Distribution output 1: Distribution output</td> <td>Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4 Z-TIO: 4</td> <td>0 0.0.0 1.000 0 0.0.0 1.000</td>	memory state utput monitor stal filter distribution on distribution put distribution put distribution put distribution put distribution put distribution	RO RO RO RW RW RW RW RW RW	0: The content of the backup memory does not coincide with that of the RAM. 1: The content of the backup memory coincides with that of the RAM. Bit C: Logic output 1 Bit 5: Logic output 6 Bit 1: Logic output 2 Bit 6: Logic output 8 Bit 2: Logic output 3 Bit 2: Logic output 4 Bit 8: to Bit 15: Bit 4: Logic output 4 Bit 8: to Bit 15: Bit 4: Logic output 5 Unused Data 0: OFF 1: ON [Decimal number: 0 to 255] —Input span to + Input span 2 0.0 to 100.0 seconds (0.0: Unused) 0.001 to 9.999 — O: Control output 1: Distribution output -100.0 to +100.0 % -9.999 to +9.999 0: DO output 1: Distribution output 1: Distribution output	Z-TIO: 1 Z-TIO: 1 Z-TIO: 1 Z-TIO: 4	0 0.0.0 1.000 0 0.0.0 1.000
146 Backup monitor 147 Logic ou 148 RS bias 149 RS digit 150 RS ratio 151 to 153 Unused 154 Output of selection 155 Output of 156 Output of 157 DO output of 157 DO output of 158 DO output of 159 DO output of	memory state utput monitor stal filter distribution distribution bias distribution ratio put distribution put distribution put distribution	RO RW RW RW 	does not coincide with that of the RAM. 1: The content of the backup memory coincides with that of the RAM. Bit data Bit 0: Logic output 1 Bit 5: Logic output 6 Bit 1: Logic output 2 Bit 6: Logic output 7 Bit 2: Logic output 4 Bit 8: Logic output 8 Bit 7: Logic output 8 Bit 3: Logic output 4 Bit 8: DBit 15: Bit 4: Logic output 5 Unused Data 0: OFF 1: ON [Decimal number: 0 to 255] —Input span to + Input span 2 0.0 to 100.0 seconds (0.0: Unused) 0.001 to 9.999 — 0: Control output 1: Distribution output -9.999 to +9.999 0: DO output 1: Distribution output 1: Distribution output 1: Distribution output 1: Distribution output	Z-DIO: 1 Z-TIO: 1 Z-TIO: 4	0 0.0 1.00 0 0.0 1.00
147	stal filter distribution on distribution put distribution on put distribution	RO RW RW RW 	does not coincide with that of the RAM. 1: The content of the backup memory coincides with that of the RAM. Bit data Bit 0: Logic output 1 Bit 5: Logic output 6 Bit 1: Logic output 2 Bit 6: Logic output 7 Bit 2: Logic output 4 Bit 8: Logic output 8 Bit 7: Logic output 8 Bit 3: Logic output 4 Bit 8: DBit 15: Bit 4: Logic output 5 Unused Data 0: OFF 1: ON [Decimal number: 0 to 255] —Input span to + Input span 2 0.0 to 100.0 seconds (0.0: Unused) 0.001 to 9.999 — 0: Control output 1: Distribution output -9.999 to +9.999 0: DO output 1: Distribution output 1: Distribution output 1: Distribution output 1: Distribution output	Z-DIO: 1 Z-TIO: 1 Z-TIO: 4	0.0 1.00 — 0 0.0
148 RS bias 149 RS digits 150 RS ratio 151 to 153 Unused 154 Output of selection 155 Output of 156 Output of 156 Output of 157 DO outp selection 158 DO outp ratio 159 DO outp ratio 160 to 340 Data of 1 341 Integrate time mo 342 Holding rambient of 154 and 154 Unused 350 Startup 1 351 to 355 Data of 1 356 Automat rise learn 357 to 499 Data of 1 500 Action m	s tal filter o distribution bias distribution put distribution	RW RW RW RW RW RW	Bit 0: Logic output 1 Bit 5: Logic output 6 Bit 1: Logic output 2 Bit 6: Logic output 7 Bit 2: Logic output 3 Bit 7: Logic output 8 Bit 3: Logic output 4 Bit 8 to Bit 15: Bit 4: Logic output 5 Unused Data 0: OFF 1: ON [Decimal number: 0 to 255] -Input span to + Input span 2 0.0 to 100.0 seconds (0.0: Unused) 0.001 to 9.999	Z-TIO: 4	0.0 1.00 — 0 0.0
149 RS digits 150 RS ratio 151 to 153 Unused 154 Output of selection 155 Output of selection 155 Output of selection 156 Output of selection 157 DO output of selection 158 DO output of selection 159 DO output of selection 159 DO output of selection 159 DO output of selection 150 Do output o	tal filter of distribution on distribution bias distribution ratio put distribution nu put distribution put distribution put distribution	RW RW RW RW RW RW	0.0 to 100.0 seconds (0.0: Unused) 0.001 to 9.999 Control output 1: Distribution output -100.0 to +100.0 % -9.999 to +9.999 0: DO output 1: Distribution output	Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4	0.0 1.00 — 0 0.0
150 RS ratio 151 to 153 Unused 154 Output of selection 155 Output of selection 155 Output of 156 Output of 157 DO outp selection 158 DO outp in 158 DO outp in 159 DO outp ratio 160 to 340 Data of 1 341 Integrate time mo 342 Holding if ambient monitor 343 to 349 Unused 350 Startup if 351 to 355 Data of 1 356 Automat rise learn 357 to 499 Data of 1 500 Action m	distribution on distribution bias distribution ratio put distribution on put distribution on	RW RW RW RW RW	0.001 to 9.999 D: Control output 1: Distribution output -100.0 to +100.0 % -9.999 to +9.999 0: DO output 1: Distribution output	Z-TIO: 4 Z-TIO: 4 Z-TIO: 4 Z-TIO: 4	1.00 0 0.0 1.00
151 to 153 Unused 154 Output c selection 155 Output c 156 Output c 157 DO outp bias 159 DO outp bias 159 DO outp bias 159 DO outp ratio 160 to 340 Data of 1341 Integrate time mo 342 Holding rambient 154 to 349 Unused 350 Startup t 136 Automat rise learn 157 to 499 Data of 1500 Action materials 157 to 499 Data of 1500 1	distribution on distribution bias distribution ratio put distribution on put distribution	RW RW RW RW		Z-TIO: 4 Z-TIO: 4 Z-TIO: 4	0.0
154 Output of selection 155 Output of 156 Output of 157 DO output of 158 DO outp 159 DO outp 150 Data of I 150 Integrate 150 Automat 151 to 355 Data of I 151 to 355 Data of I 155 Data of	distribution on distribution bias distribution ratio put distribution on put distribution	RW RW RW	1: Distribution output -100.0 to +100.0 % -9.999 to +9.999 0: DO output 1: Distribution output	Z-TIO: 4 Z-TIO: 4	0.0
155 Output of 156 Output of 157 DO output of 157 DO output of 158 DO output of 158 DO output of 158 DO output of 158 DO output of 159 DO outpu	distribution bias distribution ratio put distribution on put distribution	RW	-100.0 to +100.0 % -9.999 to +9.999 0: DO output 1: Distribution output	Z-TIO: 4	1.00
156 Output of 157 DO output of 158 DO output of 158 DO output of 159 DO ou	distribution ratio put distribution on put distribution	RW	-9.999 to +9.999 0: DO output 1: Distribution output	Z-TIO: 4	1.00
157 DO outp selection 158 DO outp bias 159 DO outp bias 159 DO outp to outp 160 to 340 Data of I 341 Integrate time mo 342 Holding g ambient monitor 343 to 349 Unused 350 Startup I 351 to 355 Data of I 356 Automal rise lean 357 to 499 Data of I 500 Action m	put distribution on put distribution	RW	DO output Distribution output		
selection	put distribution		1: Distribution output	Z-DIO: 8	
158 DO outp bias 159 DO outp plas 159 DO outp ratio 341 Integrate time mo 342 Holding rambient: 443 to 349 Unused 350 Startup to 351 to 355 Data of to 356 Automatise learn 357 to 499 Data of to 500 Action m	put distribution	RW		•	0
159 DO outpratio 60 to 340 Data of 1 341 Integrate time mo 342 Holding monitor 343 to 349 Unused 350 Startup 1 351 to 355 Data of 1 356 Automat rise learn 357 to 499 Data of 1 500 Action m	put distribution	Ц_	-100.0 to +100.0 %	Z-DIO: 8	0.0
160 to 340 Data of I		RW	-9.999 to +9.999	Z-DIO: 8	1.00
341 Integrate time mo 342 Holding gambient monitor 343 to 349 Unused 350 Startup t 351 to 355 Data of t 356 Automat rise lean 357 to 499 Data of t 500 Action m	Engineering mo	nde 3	1	<u>l</u>	
stime mo 342 Holding ambient monitor 343 to 349 Unused 350 Startup 1 351 to 355 Data of 1 356 Automat rise learn 357 to 499 Data of 1 500 Action m	ted operating	RO	0 to 19999 hours	Z-TIO: 1	_
342 Holding pamblent monitor 43 to 349 Unused 350 Startup to 10 Startu		110	S to 10000 flours	Z-110. 1 Z-DIO: 1	
350 Startup 1 351 to 355 Data of 1 356 Automatrise learn 557 to 499 Data of 1 500 Action m	peak value t temperature	RO	−10.0 to +100.0 °C	Z-TIO: 4	-
350 Startup 1 351 to 355 Data of 1 356 Automal rise lean 357 to 499 Data of 1 500 Action m		L-			
356 Automatrise lean 357 to 499 Data of I 500 Action m	tuning (ST)	RW	ST unused 2: Execute always 1: Execute once * When the startup tuning is finished, the setting will automatically returns to "0: ST unused."	Z-TIO: 4	0
356 Automatrise lean 357 to 499 Data of I 500 Action m	Engineering mo	ode 3	•		
500 Action m	atic temperature	RW	0: Unused 1: Learning * * When the automatic temperature rise learning is finished, the setting will automatically returns to "0: Unused."	Z-TIO: 4	1
500 Action m	Engineering mo	de and	d EDS function ³		
	mode selection	RW	Bit data Bit 0: Address setting Bit 1 to Bit 15: Unused Data 0: Continuous setting 1: Free setting [Decimal number: 0 to 1]	COM-JC: 1	1
of contro commun	inication	RW	0 to 100 ms	COM-JC: 1	0
502 Type of controlle	f connected er	RW	0 to 65535 4: Z-TIO 5: Z-DIO	COM-JC: 31	Not
	s setting of ted controller	RW	0 to 99 0: No connected controller	COM-JC: 31	1 to :
504 State of controlle	f connected er	RO	Bit data Bit 0: Presence or absence of controller Bit 1: Presence or absence of abnormal response Bit 2 to Bit 15: Unused Data 0: Absence 1: Presence [Decimal pumper 1 to 3]	COM-JC: 31	
	atic acquisition roller address	RW	[Decimal number: 0 to 3] 0: Do not execute the automatic acquisition 1: Execute the automatic acquisition * * Automatically reverts to 0 after automatic acquisition ends.	COM-JC: 1	0
506 to 511 Unused		_			

orrespondenc module and

Z-TIO: 4

Z-TIO: 4

Z-TIO: 4

Z-TIO: 4

Z-TIO: 4

Z-TIO: 4

7-TIO: 4

Z-TIO: 4

Z-DIO: 1

Z-TIO: 4

Z-DIO: 1

Z-TIO: 4

Z-TIO: 4

Z-TIO: 1

Z-DIO:

7-TIO: 4

Z-TIO: 4

Data range

P or PD action: 2 (Fast) fixed

. Unit time: 60 seconds (Factory set value

R/W 0 (0.0) to Input span 2/unit time *

R/W 0 to 7200 seconds (0: Unused)

Same as event 1 set value

0 (0.0) to Input span 2/unit time

Bit 3: Event 4 Bit 4: Heater break alarm (HBA) state

Bit 5: Temperature rise completion

Setting limiter low to Setting limiter high

0 to 5999 minutes Data range is different by soak time uni

Bit 7: DI 8

Data 0: Open 1: Closed

Decimal number: 0 to 2551

Bit 0: Control STOP

Bit 1: Control RUN Bit 2: Manual mode

Bit 3: Remote mode

Bit 0: DO 1

Bit 0: DO 1 Bit 1: DO 2 Bit 2: DO 3 Bit 3: DO 4 Bit 4: DO 5

Data 0: Open

). I ocal mode

Remote mode

Bit 4 to Bit 15: Unused Data 0: OFF 1: ON

Decimal number: 0 to 15]

[Decimal number: 0 to 255]

Bit 1: OUT2 Bit 4 to Bit 15: Unuse

Bit data Bit 0: OUT1 Bit 3: OUT4

Decimal number: 0 to 151

Interlock release execution

Bit 0: Communication switch 1

Rit 1: Communication switch 2

Bit 3: Communication switch 4

Bit data Bit 0: DO1 manual output Bit 1: DO2 manual output Bit 2: DO3 manual output

Bit 3: DO4 manual output

Bit 4: DO5 manual output Bit 5: DO6 manual output Bit 6: DO7 manual output

Bit 7: DO8 manual output Bit 8 to Bit 15: Unused Data 0: OFF 1: ON

RW 0 to 11999 seconds of

Decimal number: 0 to 255

0 to 5999 minutes
Data range of Area soak time can be

elected on the Soak time unit

Bit 4 to Bit15: Unused

Data 0: OFF [Decimal number: 0 to 15]

Bit 6: DO 7 Bit 7: DO 8 Bit 8 to Bit 15: Unuse

Bit 8 to Bit 15: Unuse

Bit 7 to Bit 15: Unused Data 0: OFF

to 11999 seconds or

Decimal number: 0 to 127]

0 (0.0) to Input spar

0 (0 0): Unused

Bit 0: Event 1 Bit 1: Event 2 Bit 2: Event 3

Bit data

Bit data

Bit 2: DI 3 Bit 3: DI 4

Bit data

RO

RW

Medium

Communication

Control response

36 Data of Engineering mode

38 to 44 Data of Engineering mode

46, 47 Data of Engineering mode

54 Event 3 set value ★

56 to 61 Data of Engineering mode

Setting change rate limiter (down) ★

Comprehensive even

Remote setting (RS)

input value monitor

lemory area soal

Digital input (DI) state

me monito

Operation

Digital output (DO)

Output state moni

note/Local transfer

onitor

71, 72 Unused

75 to 89 Unused

95 to 109 Unused

r logic

alarm (LBA) time 🛨

Event 4 set value ★

48, 49 Unused

52, 53 Unused

64

65 to 67 Unused

Setting change rate

Unused

Factory set value

oroportionii PID control

PID control:

0 (0.0)

50

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