REX - C100 REX - C400 REX - C900 REX - C410

REX - C700

INITIAL SETTING MANUAL

<u>RKC</u> RKC INSTRUMENT INC.



F.M FRANKLIN PTY LTD PH. (07) 3391 4865

This is a manual for the initial setting of the REX-C100, -C400, -C410, -C700, & -C900. Do not touch or adjust parts other than those covered in this manual. The instrument was manufactured and delivered under close quality control by us. However, is some subject troubled or noted, your kindly announce and advice to our business department, nearest business office also agent where you bought is very much appreciated.

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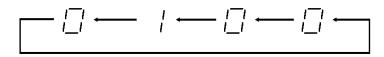
1. Initial set mode changing 1.1 1.2 2. Setting 2.1 2.2 (1) (2) Selection of break alarm (HBA, LBA) etc. [[1]]7 (3) (4) (5) (6) (7) (8) (9) (10)(11)(12)(13)

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1. Initial set mode changing

1.1 Entering the initial set mode

- (1) Press the (\overline{SET}) key to display the set data locking parameter symbol $(l_{-} l_{-} l_{-} l_{-})$ on the measured-value (PV) display unit. At this time, the least significant digit on the set-value (SV) display unit lights brightly. The digit which lights brightly is settable.
- (2) Press the **•||** key to shift the digit which lights brightly up to the hundreds digit. The digit which lights brightly shifts as follows every time the **•||** key is pressed.

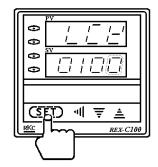


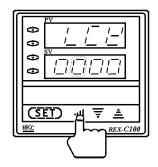
(3) Press the \equiv key to set "*l*_*l*". Pressing the \triangleq key increments numerals, and pressing the \equiv key decrements numerals.

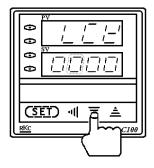
I_II_II_I : No initial set mode locked

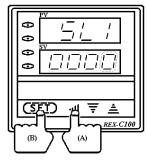
(4) Hold both the ||| (A) and (SET) (B) keys simultaneously until $|\underline{f}_{i}|_{i}$ | appears.

- 1. In order to enter the initial set mode, always set the data locking $(l_{-} l_{-} l_{-} l_{-})$ to " $l_{-} l_{-} l_{$
- 2. If the controller is set to the initial set mode, all outputs are turned OFF.
- **3.** An example of the REX-C900 is described here, but the same procedure applies to other controllers (REX-C100, -C400, -C410, and -C700).







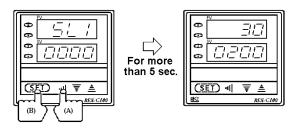




1.2 Exiting the initial set mode

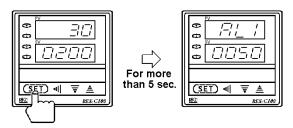
(1) Exits from the initial set mode

Keep pressing both the || key (A) and (SET) (B) keys simultaneously for more than 5 seconds can enter the PV/SV display mode.

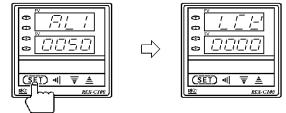


* Even if the controller exits from the initial set mode at any point, the setting mode so far set becomes valid.

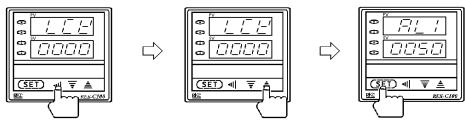
- (2) Locks the initial set mode (Change the content of set data lock setting)
 - **1.** Press the **SET** key to enter the parameter setting mode.



2. Press the (\underline{SET}) key by required number of times to show " $\lfloor l \rfloor l \rfloor$ " on the measured-value (PV) display unit.



3. Press the || key and \triangleq keys to set " $|_{l} ||_{l} ||_{l} ||_{l}$ ". Press the **SET** key to register " $|_{l} ||_{l} ||_{l} ||_{l} ||_{l}$ ".



Caution

If the controller exits from the initial set mode, confirm that set data lock setting is set to "[] ||[|]].".

- < Each status when power failure occurs in the initial set mode >
- Setting prior to power failure is valid
- Instantaneous power failure (within 20 msec.) does not exert bad influence on the instrument.
- If long power failure occurs, the instrument exits from its initial set mode. After power recovery, the instrument is set to the PV/SV display mode. The measured-value (PV) at this time shows that at the time of power recovery, and the set-value (SV) is the same as that before power failure.

2. Setting

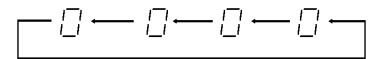
2.1 Description of each parameter

" $[\underline{z}_{1}]$ appears on the display, and every press of the (\underline{SET}) key advances the parameter symbol as shown in the following table. After one cycle, the display shows " $[\underline{z}_{1}]$ ".

[MEASURED-VALUE (PV) DISPLAY UNIT	SETTING DESCRIPTION	
	194 <u>1</u>	Input type selection	
	15 d_ 151	Engineering unit selection (°C, °F)	
	'E(IE)	Heater break alarm (HBA) selection Control loop break alarm (LBA) selection Special specification [Z-132] selection Selection of control loop break alarm output terminals	
	15.1 <u> </u>	First alarm (ALM1) type selection First alarm (ALM1) hold action selection	
	54 5	Second alarm (ALM2) type selection Second alarm (ALM2) hold action selection	
	ien ien	Direct / reverse action selection Control action type selection Control output type selection (Heating / cooling side)	
CET)	1501 T	Energize / de-energize alarm selection Special specification [Z-124] selection	
<u>set</u>) -	54.13	" $[-i]_i$ " cannot be set.	
	$l^{\pm i}l_{\pm i}$	PV bias setting	
	1-1	Differential gap setting of ON / OFF action	
	<i>;=;;−;</i> ;	Differential gap setting of first alarm (ALM1) * No display appears when no first alarm (ALM1) function is provided.	
	1=11-1 <u>1</u> -1	Differential gap setting of second alarm (ALM2) * No display appears when no second alarm (ALM2) function is provided.	
	' <u>5</u> .(_ (-)	High-limit setting for set-value (SV)	
	15.1 <u>_</u> 1_	Low-limit setting for set-value (SV)	

2.2 Each parameter setting

- Method of setting
- (2) Press the (\underline{SET}) key to display the input type selection parameter symbol $(\underline{'},\underline{'},\underline{'})$ on the measured-value (PV) display unit. At this time, the least significant digit on the set-value (SV) display unit lights brightly. The digit which lights brightly is settable.
- (3) Press the **•**|| key to shift the digit which lights brightly up to the tens digit. The digit which lights brightly shifts as follows every time the **•**|| key is pressed.

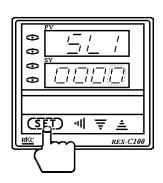


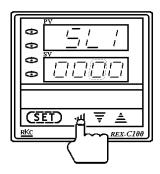
(4) Press the \triangleq key to set " \checkmark ". Pressing the \triangleq key increments numerals, and pressing the \equiv key decrements numerals.

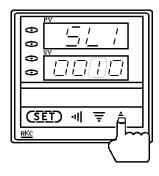
I_II_I II_I : Thermocouple type L

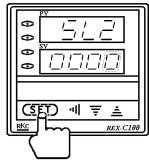
(5) After finishing the setting, press the (SET) key to register (shifts to next parameter).

- 1. If no key operation is performed for more than 60 sec. during setting or when any parameter other than $"[z_1]_{-}$ |" is displayed, the display returns to " $[z_1]_{-}$ |".
- 2. An example of the REX-C900 is described here, but the same procedure applies to other controllers (REX-C100, -C400, -C410, and -C700).









(1) Input type selection $(\begin{bmatrix} -1 \\ -1 \end{bmatrix})$

Set-value (SV) display unit

	VALUE			INPUT TYPE	HARDWARE	
1_1	1_1	1_1	1_1		К	
1_1	1_1	1_1	1		J	
1_1	1_1	1	1		L	
1_1	1_1	1	1		E	
1_1	1	1_1	1_1		Ν	а
1_1	1	1	1	ТС	R	
1	1_1	1_1	1_1		S	
1	1_1	1_1	1		В	
1	1_1	1	17		W5Re / W26Re	
1	1_1	1	1		PLII	
1_1	1	1_1	1		Т	
1_1	1	1	17		U	b
1	1	1_1	17		Pt100 Ω (JIS / IEC)	
1	- 1	1_1	1	RTD	J Pt100 Ω (JIS)	с
1	1	1	1_1		0 to 5 V DC	
1	1	1	1	Voltage	1 to 5 V DC	d
1	1	1	171		0 to 20 mA DC	
1	1	1	1	Current	4 to 20 mA DC	e

Cautions

1. Conduct setting so as to meet the instrument specification (input type). Setting change between different symbols may cause malfunction, but the setting can be changed when hardware types have the same symbol. However, when the setting is changed, always reset "[-], [-], " and "[-], [-], ". (See page 14).

(2) Engineering unit and cooling type selection $(\frac{1}{2}, \frac{1}{2}, \frac{1}{2})$

Set-value (SV) display unit

VALUE				DESCRIPTION		
			1_1	°C	Engineering unit	
	 		1	°F	selection	
		1_1		Air-cooling (Type A)	Cooling type	
		1		Water-cooling (Type W) * 2	selection	
1_1	1_1			Fixed		

* 1 Type A : Heating / cooling PID action (Air-cooling)

*2 Type W : Heating / cooling PID action (Water-cooling)

- **1.** For the voltage and current input types, the engineering unit setting of °C or °F is ignored.
- 2. When control action is of the type D (PID action [direct action] or type F (PID action [reverse action]), "Cooling type selection" setting is ignored.
- 3. Do not set the upper 2 digits to numeric values other than "*[]*[*]*[" since they are not used.
- 4. "[-] setting displays are only "[-]" and "I".

(3) Selection of break alarm (HBA, LBA) etc. $(\frac{1}{2}, \frac{1}{2}, \frac{1}{2})$

Set-value (SV) display unit

VALUE				DESCRIPTION		
			17	Without HBA function	Heater break alarm (HBA)	
			1	With HBA function	selection	
		171		Without LBA function	Control loop break alarm	
		1		With LBA function	(LBA) selection	
	1_1			Without Z-132 specification	Special specification	
	- 1			With Z-132 specification *	[Z-132] selection	
1_1				First alarm side	Selection of control loop	
1				Second alarm side	break alarm output terminals	

* Z-132 specification : Heater break alarm output is delayed.

- 1. "With HBA function" setting is ignored for the following instruments :
 - Instrument with deviation or process alarm as the second alarm (ALM2)
 - Instrument with control loop break alarm (LBA)
 - Instrument whose control output is the current output type
- 2. "With LBA function" setting is ignored for the following instruments :
 - Instrument with deviation or process alarm as the first alarm (ALM1) and second alarm (ALM2)
 - Instrument with heater break alarm (HBA)
 - Instrument whose control action is type W (Heating / cooling PID action [Water-cooling]) or type A (Heating / cooling PID action [Air-cooling]).
- **3.** For the instrument without heater break alarm (HBA), "With Z-132 specification" setting is ignored.
- 4. "<u>-</u>]" setting displays are only "<u>-</u>]" and "**!**".

First-alarm (ALM1) type selection $\begin{pmatrix} i & j \\ -i & j \end{pmatrix}$ (4)

Set-value (SV) display unit

VALUE DESCRIP'					DESCRIPTIO)N
	171	1_1	17	No first alarm		
		1_1	1	High alarm		
	- 1	1_1	1	Low alarm	Deviation	First alarm (ALM1)
		1	17	High / Low alarm	alarm	type selection
	1	1	17	Band alarm		(See page 10)
	17	1	1	High alarm	Process	
	1	1	1	Low alarm	alarm	
1_1				Without alarm hold action	First alarm (ALM1)	
1	 		 	With alarm hold action		hold action selection

- The following instrument is set to "/_//_//_/ ". 1.
 - ٠
 - Instrument without the first alarm (ALM1). Instrument which outputs control loop break alarm (LBA) from the first alarm side. $[-_i]_{-_i}$ setting details : For " $[-_i]_{-_i}$ " •
- 2.

(5) Second-alarm (ALM2) type selection $(\frac{1}{2}t_{\perp}^{2}, \frac{1}{2}t_{\perp})$

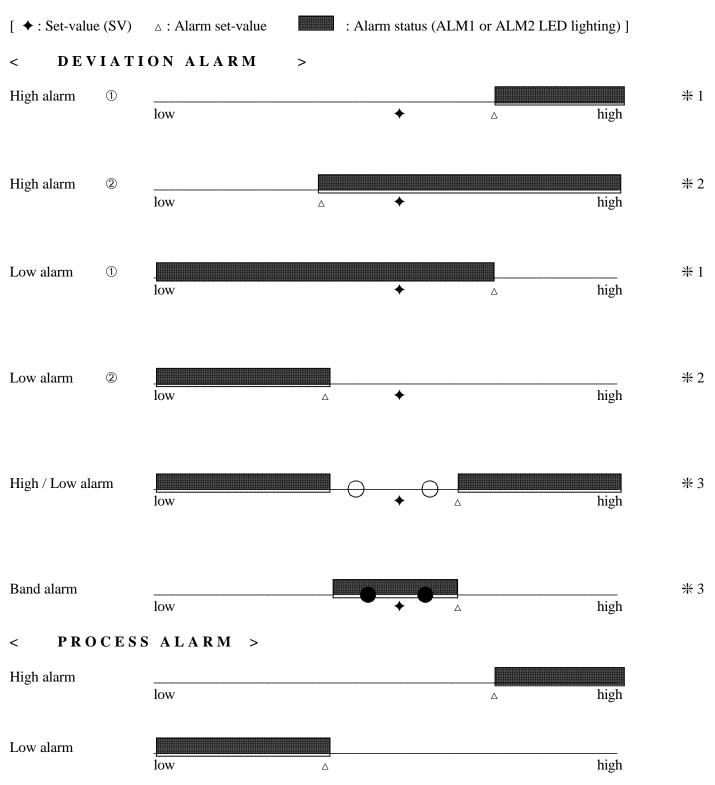
Set-value (SV) display unit

	VALUE DESCRIPTIO					N
	1_1	1_1	1_1	No second alarm		
	17	1_1	1	High alarm		
	- 1	171	1	Low alarm	Deviation	Second alarm (ALM2)
	1_1	1	1_1	High / Low alarm	alarm	type selection
	- 1	1	17	Band alarm		(See page 10)
	17	1	1	High alarm	Process	
	1	1	1	Low alarm	alarm	
1_1				Without alarm hold action		Second alarm (ALM2)
1				With alarm hold action		hold action selection

- Instrument without the second alarm (ALM2).
- Instrument with the heater break alarm (HBA).

- **1.** The following instrument is set to "*I_II_II_II_I*".
 - Instrument without the second alarm (ALM2).
 - Instrument with the heater break alarm (HBA).
 - Instrument which outputs control loop break alarm (LBA) from the second alarm side. ['__' __' setting details : For "'__']
- 2. " \subseteq_{l} ' \subseteq_{l} " setting displays are only " \mid " and " \checkmark ".

ALARM TYPES



*1 Alarm status where the alarm set-value is set to plus (+) side for the set-value (SV).

*2 Alarm status where the alarm set-value is set to minus (-) side for the set-value (SV).

* 3 Status when alarm is activated at 2 equal deviation points from the set-value (SV) with the alarm set-value (absolute deviation) is set.

Control-output selection etc. $(\frac{1}{2}, \frac{1}{2}, \frac{1}{2})$ (6)

Set-value (SV) display unit

	VALUE DESCRIPTION				
			171	Direct action (Type D)	Direct / reverse action
			1	Reverse action (Type F, A, W)	selection
		171		PID action (Type D, F)	Control action
		1		Heating / cooling PID action (Type A, W) $* 1$	type selection
	171			Time proportional output (M, V, G output) # 2	Control output type
	- 1			Continuous output (Current 4 to 20 mA DC)	selection (Heating side)
1_1				Time proportional output (M, V output)	Control output type
1			 	Continuous output (Current 4 to 20 mA DC)	selection (Cooling side)

* 1	Type D :	PID action [Direct	action]		
	Type F:	PID action [Reverse	e action]		
	Type A :	Heating / cooling PID action [Air-cooling]			
	Type W :	Heating / cooling P	ID action [Water-c	ooling]	
* 2	M output : V output :	Relay contact Voltage pulse	G output :	Trigger (For triac driving)	

- 1. Conduct setting so as to meet the instrument specification. An incorrect setting may cause a malfunction.
- 2. When control action is of the type D or F, "Control output type selection (Cooling side)" setting is ignored.
- For the REX-C100, always set the control action type selection to PID action. " $=_{1}$, " $=_{1}$ " setting displays are only " $:=_{1}$ " and "=". 3.
- 4.

Energize / de-energize alarm selection etc. ([-1, -1]) (7)

Set-value (SV) display unit

VALUE				DESCRIPTION		
			17	Energize alarm	Energize / de-energize alarm selection	
			1	De-energize alarm	(First alarm side)	
	 	1_1	 	Energize alarm	Energize / de-energize alarm selection	
		1		De-energize alarm	(Second alarm side)	
	1_1		 	Without Z-124 specification	Special specification [Z-124] selection	
	- 1			With Z-124 specification *	(First alarm side)	
17				Without Z-124 specification	Special specification [Z-124] selection	
1	 		 	With Z-124 specification *	(Second alarm side)	

* Z-124 specification : No alarm action caused by burnout is performed.

Cautions

•

- Instrument without the first alarm (ALM1) and second alarm (ALM2) is set to "!_!!_!!_!.". 1.
 - Instrument without the first alarm (ALM1).
 - $\begin{bmatrix} -\frac{1}{2} & -\frac{1}{2} & \text{setting details} & \text{For } & \frac{1}{2} &$
- "[]_ 7" setting displays are only "[] "and " ?". 2.

(8) PV bias setting $(l'='l'=_{l'})$

Set-value (SV) display unit

(Setting range)

	(1)	TC and RTD inputs		
		• For a resolution of 1°C [°F]	:	-1999 to 9999°C [°F]
		• For a resolution of 0.1°C [°F]	:	-199.9 to +999.9°C [°F]
	(2)	Voltage and current inputs	:	-199.9 to +200.0%
(9)	Differ	ential gap setting of ON / OFF action [1]	= , −]	
	Set-val	lue (SV) display unit		
	(Settin	ng range)		
	(1)	TC and RTD inputs	:	0 to 100 or 0.0 to 100.0
	(2)	Voltage and current inputs	:	0.0 to 10.0
(10)	Differ	ential gap setting of first alarm (ALM1)	[= -]
	Set-val	lue (SV) display unit		
	(Settin	ng range)		
	(1)	TC and RTD inputs	:	0 to 100 or 0.0 to 100.0
	(2)	Voltage and current inputs	:	0.0 to 10.0
	<u>Cautio</u>	<u>on</u>		
		play appears when no alarm function is pr -/ setting : "/_//_//_//_/"].	rovided.	
(11)	Differ	ential gap setting of second alarm (ALM	12) [¦=¦ -	<i>62</i> 1
	Set-val	lue (SV) display unit		
	(Settin	ng range)		
	(1)	TC and RTD inputs	:	0 to 100 or 0.0 to 100.0

<u>**Caution</u>** - No display appears when no alarm function is provided.</u>

 $['\underline{-}l'_{-} '\underline{-}l'_{-} 'setting : "l_{-}l'_{-}l'_{-}l'_{-}l''].$

Voltage and current inputs

(2)

:

0.0 to 10.0

High-limit setting for set-value (SV) $\begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} \end{bmatrix}$ (12)

Set-value (SV) display unit

	INPUT TYPE	RAN	IGE
	K	0 to 1372°C	0 to 2502°F
	J	0 to 1200°C	0 to 2192°F
	L	0 to 800°C	0 to 1600°F
	E	0 to 1000°C	0 to 1832°F
	Ν	0 to 1300°C	0 to 2372°F
TC	R, S	0 to 1769°C	0 to 3216°F
	В	0 to 1820°C	0 to 3308°F
	W5Re / W26Re	0 to 2320°C	0 to 4000°F
	PLII	0 to 1390°C	0 to 2534°F
	Т	-199.9 to +400.0°C	-199.9 to +752.0°F
	U	-199.9 to +600.0°C	-199.9 to +999.9°F
RTD	Pt100Ω (JIS / IEC) J Pt100Ω (JIS)	-199.9 to +649.0°C	
	Pt100Ω (Conforming to JIS / IEC)	-199.9 to +999.9°F	
Voltage	0 to 5V DC 1 to 5V DC	0.0 to 100.0% (Fixed)	
Current	0 to 20mA DC 0 to 20mA DC	0.0 to 100.0% (Fixed)	

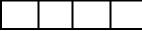
IEC (International Electrotechnical Commission) is equivalent to JIS, DIN and ANSI. Limit setting becomes $\frac{1}{2} \left| \frac{1}{2} \right| \geq \frac{1}{2} \left| \frac{1}{2} \right|$. ₩1

*2

Caution : Prior to conducting limiter setting change, see "Input range table" on page 16.

Low-limit setting for set-value (SV) $\begin{bmatrix} l_{-} & l_{-} \end{bmatrix}$ (13)

Set-value (SV) display unit



(Setting range) See the above table.

<u>Caution</u> : Prior to conducting limiter setting change, see "Input range table" on page 16.

When changing the high-limit [-1, -1] and the low-limit [-1, -1] limiter settings, always set the set-value (SV) within the limiter range. High-limit setting \geq set-value (SV) \geq low-limit setting

2.3 Each Parameter checks

- (1) When all the settings are finished, press the **SET** key to check each parameter.
- (2) When the contents of the initial setting are changed, change the model code plate stuck to inside of the controller and outside of the case by referring to the following table.
- (3) After each parameter has been checked, return the controller to the control mode by referring to "1.2 Exiting the initial set mode" (P.2).

		MODEL CODE							DESCRIPTION			
REX-	C100 C400 C410 C700 C900	G	G	G	G	G	G	G	48 x 48 mm 96 x 48 mm 48 x 96 mm 72 x 72 mm 96 x 96 mm			
Control action W A		 	 		 	 	 	PID action (Reverse action) PID action (Direct action) Heating / Cooling PID action (Water-cooling) Heating / Cooling PID action (Air-cooling)	**			
Input type		G						See page 16. Input Range Table "MODEL CODE"				
Input ra	Input range G							See page 16. Input Range Table "MODEL CODE"				
First control output [OUT(1)] M (Heating side) 8 G						 	 	 	Relay contact Voltage pulse Current 4 to 20mA DC Trigger (for triac driving)			
Second control output [OUT(2)] (Cooling side) V						M V	 	 	No second control output (Control action : D, F) Relay contact Voltage pulse Current 4 to 20mA DC			
First alarm (ALM1)							N A B C D E F G H J K L R		No first alarm (ALM1) Deviation high alarm (without hold action) Deviation low alarm (without hold action) Deviation high / low alarm (without hold action) Band alarm Deviation high alarm (with hold action) Deviation low alarm (with hold action) Deviation high / low alarm (with hold action) Process high alarm (without hold action) Process low alarm (without hold action) Process low alarm (with hold action) Process low alarm (with hold action) Process low alarm (with hold action) Control loop break alarm			
Second alarm (ALM2)								N A B C D E F G H J K L P S	No second alarm (ALM2) Deviation high alarm (without hold action) Deviation low alarm (without hold action) Deviation high / low alarm (without hold action) Band alarm Deviation high alarm (with hold action) Deviation low alarm (with hold action) Deviation high / low alarm (with hold action) Process high alarm (without hold action) Process low alarm (without hold action) Process low alarm (without hold action) Process high alarm (with hold action) Process low alarm (with hold action) Process low alarm (with hold action) Heater break alarm (CTL-6) Heater break alarm (CTL-12)			

* For the REX-C100, the content marked with \star cannot be selection.

* When control output is trigger output for triac driving, only the first alarm is available (For the REX-C100).

INPUT RANGE TABLE

	NPUT TYPE	INPUT RANGE	MODEL CODE		INPUT TYPE		INPUT RANGE MODEL COD		L CODE
T H E R M O C O U P L E	K (JIS / IEC)	0 to 200°C 0 to 400°C 0 to 600°C 0 to 800°C 0 to 1000°C 0 to 1200°C 0 to 1372°C 0 to 800°F	K	01 02 03 04 05 06 07 A1	T H E R M O C O U P L E	PLII (NBS)	0 to 1300°C 0 to 1390°C 0 to 2400°F 0 to 2534°F ★	А	01 02 A1 A2 ZZ
		0 to 1600°F 0 to 2502°F * 0 to 200°C 0 to 400°C 0 to 600°C		A2 A3 ZZ 01 02 03		U (DIN)	-199.9 to +600°C -199.9 to +100.0°C 0.0 to 400.0°C -199.9 to +999.9°F -100.0 to +200.0°F 0.0 to 999.9°F	U	01 02 03 A1 A2 A3
	J (JIS / IEC)	0 to 800°C 0 to 1000°C 0 to 1200°C 0 to 800°F 0 to 1600°F 0 to 2192°F ∗	J	04 05 06 A1 A2 A3 ZZ		L (DIN)	* 0 to 400°C 0 to 800°C 0 to 800°F 0 to 1600°F *	L	ZZ 01 02 A1 A2 ZZ
	R (JIS / IEC)	0 to 1600°C 0 to 1769°C 0 to 3200°F 0 to 3216°F **	R	01 02 A1 A2 ZZ	Ľ	D:100	$\begin{array}{cccccc} -199.9 & to & +649.0^{\circ}\mathrm{C} \\ -199.9 & to & +200.0^{\circ}\mathrm{C} \\ -100.0 & to & +50.0^{\circ}\mathrm{C} \\ -100.0 & to & +100.0^{\circ}\mathrm{C} \\ -100.0 & to & +200.0^{\circ}\mathrm{C} \\ 0.0 & to & 50.0^{\circ}\mathrm{C} \\ 0.0 & to & 100.0^{\circ}\mathrm{C} \\ 0.0 & to & 200.0^{\circ}\mathrm{C} \\ \hline 0.0 & to & 300.0^{\circ}\mathrm{C} \\ \hline \hline 0.0 & to & 500.0^{\circ}\mathrm{C} \\ \hline \end{array}$	P	01 02 03 04 05 06 07 08 09 10
	S (JIS / IEC)	0 to 1600°C 0 to 1769°C 0 to 3200°F 0 to 3216°F *	S	01 02 A1 A2 ZZ		Pt100 (JIS / IEC)			
	B (JIS / IEC)	400 to 1800°C 0 to 1820°C 800 to 3200°F 0 to 3308°F 米	В	01 02 A1 A2 ZZ	R T D	Pt100 (Conforming to JIS / IEC)	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$		A1 A2 A3 A4 A5 A6
	E (JIS / IEC)	0 to 800°C 0 to 1000°C 0 to 1600°F 0 to 1832°F *	E	01 02 A1 A2 ZZ			0.0 to 200.0°F 0.0 to 400.0°F 0.0 to 500.0°F ∗ -199.9 to +649.0°C		A7 A8 A9 ZZ 01
	N (NBS)	0 to 1200°C 0 to 1300°C 0 to 2300°F 0 to 2372°F ∦	N	01 02 A1 A2 ZZ		J Pt100 (JIS)	-199.9 to +049.0 C -199.9 to +200.0 °C -100.0 to +50.0 °C -100.0 to +100.0 °C -100.0 to +200.0 °C 0.0 to 50.0 °C 0.0 to 100.0 °C 0.0 to 200.0 °C		$\begin{vmatrix} 01\\ 02\\ 03\\ 04\\ 05\\ 06\\ 07\\ 08\\ 08\\ 08\\ 08\\ 08\\ 08\\ 08\\ 08\\ 08\\ 08$
		-199.9 to +400.0°C -199.9 to +100.0°C -100.0 to +200.0°C 0.0 to 350.0°C	Т	01 02 03 04 A1 A2 A3 A4 A5 ZZ		5V	0.0 to 200.0 C 0.0 to 300.0°C 0.0 to 500.0°F *		08 09 10 ZZ
	T (JIS / IEC)	$\begin{array}{rrrr} -199.9 & to & +752.0^{\circ}\mathrm{F} \\ -100.0 & to & +200.0^{\circ}\mathrm{F} \\ -100.0 & to & +400.0^{\circ}\mathrm{F} \\ 0.0 & to & 450.0^{\circ}\mathrm{F} \\ 0.0 & to & 752.0^{\circ}\mathrm{F} \\ & & & & \\ \end{array}$			VC OU LR TR AE GN	0 to 5V 1 to 5V 0 to 20mA 4 to 20mA Special input	0.0 to 100.0%	4 6 7 8 9	01 01 01 01 01
	W5Re / W26Re (ASTM)	0 to 2000°C 0 to 2320°C 0 to 4000°F ∦	W	01 02 A1 ZZ	ET	* When the range is specified separately, the "MODEL CODE" becomes "GZZ"			100.0%