

ORDERING INFORMATION

MODEL : R7M-TS4

PLEASE FILL IN THIS SECTION



Model
Company
Name
P/O No.

FACTORY USE ONLY



Job No.	Approved by (Sales office)
Ser No.	Issued by (Sales office)
Sales	Approved by (Factory)
	Set by (Factory)
	Ser No.

Specify the items you want to change. Default setting will be used if not specified.

DEFAULT shows values in case of nothing specified.

■ THERMOCOUPLE TYPE SETTING (APPLIES TO ALL 4 CHANNELS)

ITEM	SET VALUE	DEFAULT VALUE	Factory Internal check
THERMOCOUPLE	<input type="checkbox"/> K (CA)	K (CA)	<input type="checkbox"/>
	<input type="checkbox"/> E (CRC)		
	<input type="checkbox"/> J (IC)		
	<input type="checkbox"/> T (CC)		
	<input type="checkbox"/> B (RH)		
	<input type="checkbox"/> R		
	<input type="checkbox"/> S		
	<input type="checkbox"/> C (Wre 5-26)		
	<input type="checkbox"/> N		
	<input type="checkbox"/> U		
	<input type="checkbox"/> L		
	<input type="checkbox"/> P (Platinel II)		
	<input type="checkbox"/> (PR)		
<input type="checkbox"/> PC Configurator setting			

When you want to set each channel independently, select "PC Configuration setting", then specify each channel in "THERMOCOUPLE TYPE SETTING (INDEPENDENT RANGE PER CHANNEL)".

■ THERMOCOUPLE TYPE SETTING (INDEPENDENT RANGE PER CHANNEL)

CHANNEL	AVAILABLE VALUE	SET VALUE	DEFAULT VALUE	Factory Internal check
INPUT 0	K, E, J, T, B, R, S, C, N, U, L, P, PR, unused		K	<input type="checkbox"/>
INPUT 1			K	<input type="checkbox"/>
INPUT 2			K	<input type="checkbox"/>
INPUT 3			K	<input type="checkbox"/>

Unused channels are set default.

■ TEMPARATURE UNIT SETTING

CHANNEL	SET VALUE	DEFAULT VALUE	Factory Internal check
INPUT 0	<input type="checkbox"/> °C <input type="checkbox"/> °F <input type="checkbox"/> K	°C	<input type="checkbox"/>
INPUT 1	<input type="checkbox"/> °C <input type="checkbox"/> °F <input type="checkbox"/> K	°C	<input type="checkbox"/>
INPUT 2	<input type="checkbox"/> °C <input type="checkbox"/> °F <input type="checkbox"/> K	°C	<input type="checkbox"/>
INPUT 3	<input type="checkbox"/> °C <input type="checkbox"/> °F <input type="checkbox"/> K	°C	<input type="checkbox"/>

■ BURNOUT SETTING

ITEM	SET VALUE	DEFAULT VALUE	Factory Internal check
BURNOUT	<input type="checkbox"/> Upscale	Upscale	<input type="checkbox"/>
	<input type="checkbox"/> Downscale		

■ MODBUS COMMUNICATION PARAMETERS

ITEM	SET VALUE *1	DEFAULT VALUE	Factory Internal check
Data Mode and Bit Length *2	<input type="checkbox"/> 7: ASCII	8: RTU	<input type="checkbox"/>
	<input type="checkbox"/> 8: RTU		
Parity Bit*2	<input type="checkbox"/> None	None	<input type="checkbox"/>
	<input type="checkbox"/> Odd	Available	
	<input type="checkbox"/> Even		

*1. Choose appropriately for the connected device.

Standard settings of the other products of us are Data Mode: RTU, Bit Length: 8, Parity Bit: Odd (Available) and Stop Bit: 1. Stop Bit cannot be specified, as Stop Bit is set to 1 or 2 by specifying with Data Mode and Parity Bit.

*2. Bit assignment according to setting of Data Mode, Bit Length and Parity.

MODE	START	DATA	PARITY	STOP
ASCII	1	7	Available	1
	1	7	None	2
RTU	1	8	Available	1
	1	8	None	2

■ BAUD RATE

ITEM	SET VALUE	DEFAULT VALUE	Factory Internal check
BAUD RATE	<input type="checkbox"/> 38.4 kbps	38.4 kbps	<input type="checkbox"/>
	<input type="checkbox"/> 19.2 kbps		
	<input type="checkbox"/> 9600 bps		
	<input type="checkbox"/> 4800 bps		

■ **NODE ADDRESS**

AVAILABLE VALUE	SET VALUE	DEFAULT VALUE	Factory Internal check
1 to 99		0	<input type="checkbox"/>

■ **CONVERSION RATE**

ITEM	SET VALUE	DEFAULT VALUE	Factory Internal check
CONVERSION RATE	<input type="checkbox"/> 250 msec.	250 msec.	<input type="checkbox"/>
	<input type="checkbox"/> 500 msec.		

■ **EXTENSION**

ITEM	SET VALUE	DEFAULT VALUE	Factory Internal check
EXTENSION	<input type="checkbox"/> No extension	No extension	<input type="checkbox"/>
	<input type="checkbox"/> Discrete input, 8 points / 16 points		
	<input type="checkbox"/> Discrete output, 8 points / 16 points		

Note: The default data conversion is 10 times of the value in engineering unit (for °C and K).

When you want to convert to different value, specify the following.

- Choose "Scaled value" in CONVERTED DATA RANGE section.
- Specify temperature range in RTD RANGE SETTING section.
- Specify zero and full scale in SCALING section.

■ **CONVERTED DATA RANGE**

CHANNEL	SET VALUE	DEFAULT VALUE	Factory Internal check
INPUT 0	<input type="checkbox"/> Value in engineering unit	Value in engineering unit	<input type="checkbox"/>
	<input type="checkbox"/> Scaled value		
INPUT 1	<input type="checkbox"/> Value in engineering unit	Value in engineering unit	<input type="checkbox"/>
	<input type="checkbox"/> Scaled value		
INPUT 2	<input type="checkbox"/> Value in engineering unit	Value in engineering unit	<input type="checkbox"/>
	<input type="checkbox"/> Scaled value		
INPUT 3	<input type="checkbox"/> Value in engineering unit	Value in engineering unit	<input type="checkbox"/>
	<input type="checkbox"/> Scaled value		

■ THERMOCOUPLE RANGE SETTING

CHANNEL	AVAILABLE VALUE	SET VALUE	Factory Internal check
INPUT 0	See Table1	to	<input type="checkbox"/>
INPUT 1		to	<input type="checkbox"/>
INPUT 2		to	<input type="checkbox"/>
INPUT 3		to	<input type="checkbox"/>

[Table 1]

T/C	AVAILABLE RANGE			T/C	AVAILABLE RANGE		
	°C	°F	K		°C	°F	K
K (CA)	-150 to +1370	-238 to +2498	124 to 1643	C (Wre 5-26)	0 to 2315	32 to 4199	274 to 2588
E (CRC)	-170 to +1000	-274 to +1832	104 to 1273	N	-130 to +1300	-202 to +2372	144 to 1573
J (IC)	-180 to +1200	-292 to +2192	94 to 1473	U	-200 to +600	-328 to +1112	74 to 873
T (CC)	-170 to +400	-274 to +752	104 to 673	L	-200 to +900	-328 to +1652	74 to 1173
B (RH)	400 to 1760	752 to 3200	674 to 2033	P (Platinel II)	0 to 1395	32 to 2543	274 to 1668
R	200 to 1760	392 to 3200	474 to 2033	(PR)	0 to 1760	32 to 3200	274 to 2033
S	0 to 1760	32 to 3200	274 to 2033				

■ SCALING

Set zero and full scale to each channel (zero scale to full scale)

CHANNEL	AVAILABLE VALUE	SET VALUE	DEFAULT VALUE	Factory Internal check
INPUT 0	-32000 to +32000	to	0 to 10000	<input type="checkbox"/>
INPUT 1	-32000 to +32000	to	0 to 10000	<input type="checkbox"/>
INPUT 2	-32000 to +32000	to	0 to 10000	<input type="checkbox"/>
INPUT 3	-32000 to +32000	to	0 to 10000	<input type="checkbox"/>