

# ORDERING INFORMATION

# MODEL : R7M-CT4E

## PLEASE FILL IN THIS SECTION



Model
Company
Name
P/O No.

## M-SYSTEM 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.

### ■ INPUT RANGE SETTING (APPLIES TO ALL 4 CHANNELS)

ITEM	SET VALUE	DEFAULT VALUE	Factory Internal check
CURRENT SENSOR: INPUT RANGE	<input type="checkbox"/> CLSE-R5: 0 to 5A AC	CLSE-60: 0 to 600 A AC	<input type="checkbox"/>
	<input type="checkbox"/> CLSE-05: 0 to 50A AC		
	<input type="checkbox"/> CLSE-10: 0 to 100 A AC		
	<input type="checkbox"/> CLSE-20: 0 to 200 A AC		
	<input type="checkbox"/> CLSE-40: 0 to 400 A AC		
	<input type="checkbox"/> CLSE-60: 0 to 600 A AC		
	<input type="checkbox"/> PC Configurator setting		

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

■ INPUT RANGE SETTING (INDEPENDENT RANGE PER CHANNEL)

CHANNEL	SET VALUE	DEFAULT VALUE	Factory Internal check
INPUT 0	<input type="checkbox"/> CLSE-R5: 0 to 5A AC	CLSE-60: 0 to 600A AC	<input type="checkbox"/>
	<input type="checkbox"/> CLSE-05: 0 to 50A AC		
	<input type="checkbox"/> CLSE-10: 0 to 100A AC		
	<input type="checkbox"/> CLSE-20: 0 to 200A AC		
	<input type="checkbox"/> CLSE-40: 0 to 400A AC		
	<input type="checkbox"/> CLSE-60: 0 to 600A AC		
	<input type="checkbox"/> Unused		
INPUT 1	<input type="checkbox"/> CLSE-R5: 0 to 5A AC	CLSE-60: 0 to 600A AC	<input type="checkbox"/>
	<input type="checkbox"/> CLSE-05: 0 to 50A AC		
	<input type="checkbox"/> CLSE-10: 0 to 100A AC		
	<input type="checkbox"/> CLSE-20: 0 to 200A AC		
	<input type="checkbox"/> CLSE-40: 0 to 400A AC		
	<input type="checkbox"/> CLSE-60: 0 to 600A AC		
	<input type="checkbox"/> Unused		
INPUT 2	<input type="checkbox"/> CLSE-R5: 0 to 5A AC	CLSE-60: 0 to 600A AC	<input type="checkbox"/>
	<input type="checkbox"/> CLSE-05: 0 to 50A AC		
	<input type="checkbox"/> CLSE-10: 0 to 100A AC		
	<input type="checkbox"/> CLSE-20: 0 to 200A AC		
	<input type="checkbox"/> CLSE-40: 0 to 400A AC		
	<input type="checkbox"/> CLSE-60: 0 to 600A AC		
	<input type="checkbox"/> Unused		
INPUT 3	<input type="checkbox"/> CLSE-R5: 0 to 5A AC	CLSE-60: 0 to 600A AC	<input type="checkbox"/>
	<input type="checkbox"/> CLSE-05: 0 to 50A AC		
	<input type="checkbox"/> CLSE-10: 0 to 100A AC		
	<input type="checkbox"/> CLSE-20: 0 to 200A AC		
	<input type="checkbox"/> CLSE-40: 0 to 400A AC		
	<input type="checkbox"/> CLSE-60: 0 to 600A AC		
	<input type="checkbox"/> Unused		

Unused channels are set default.

## ■ 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 M-SYSTEM 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"/> 9600bps		
	<input type="checkbox"/> 4800bps		

## ■ 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 / CONVERSION ACCURACY	<input type="checkbox"/> 80ms / $\pm 0.5\%$	80ms / $\pm 0.5\%$	<input type="checkbox"/>
	<input type="checkbox"/> 40ms / $\pm 0.5\%$		
	<input type="checkbox"/> 20ms / $\pm 1.0\%$		
	<input type="checkbox"/> 10ms / $\pm 2.0\%$		

## ■ 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 100 times of the value in engineering unit. (1000 times for CLSE-R5: 0 to 5AAC)  
 When you want to convert to different value, specify the following.

- Choose "Scaled value" in CONVERTED DATA RANGE 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		

## ■ 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"/>