

ORDERING INFORMATION

MODEL : R30US4

PLEASE FILL IN THIS SECTION



Model _____

Company _____

Name _____

P/O No. _____

M-SYSTEM USE ONLY



Job No. _____

Ser No. _____ - _____

Sales _____

Approved by (Sales office) _____

Issued by (Sales office) _____

Approved by (Factory) _____

Set by (Factory) _____

Ser No. _____

Fill in blank sections or mark with if necessary. Default value will be used if not otherwise specified.

SOFTWARE SETTING

INPUT TYPE

CHANNEL	SET VALUE	DEFAULT VALUE	FACTORY INTERNAL CHECK
INPUT 1	<input type="checkbox"/> -10 to +10V DC <input type="checkbox"/> TC (PR) <input type="checkbox"/> TC S <input type="checkbox"/> RTD Pt 100 <input type="checkbox"/> -1000 to +1000mV DC <input type="checkbox"/> TC K <input type="checkbox"/> TC C <input type="checkbox"/> RTD Pt 500 <input type="checkbox"/> -20 to +20mA DC <input type="checkbox"/> TC E <input type="checkbox"/> TC N <input type="checkbox"/> RTD Pt 1000 <input type="checkbox"/> POT 0 to 4000Ω <input type="checkbox"/> TC J <input type="checkbox"/> TC U <input type="checkbox"/> RTD Pt 50Ω <input type="checkbox"/> POT 0 to 2500Ω <input type="checkbox"/> TC T <input type="checkbox"/> TC L <input type="checkbox"/> RTD JPt 100 <input type="checkbox"/> POT 0 to 1200Ω <input type="checkbox"/> TC B <input type="checkbox"/> TC P <input type="checkbox"/> RTD Ni 508.4Ω <input type="checkbox"/> POT 0 to 600Ω <input type="checkbox"/> TC R <input type="checkbox"/> RTD Cu 10 <input type="checkbox"/> POT 0 to 300Ω <input type="checkbox"/> CH disable <input type="checkbox"/> POT 0 to 150Ω <input type="checkbox"/> OHM 0 to 4000Ω	-10 to +10V DC	<input type="checkbox"/>
INPUT 2	<input type="checkbox"/> -10 to +10V DC <input type="checkbox"/> TC (PR) <input type="checkbox"/> TC S <input type="checkbox"/> RTD Pt 100 <input type="checkbox"/> -1000 to +1000mV DC <input type="checkbox"/> TC K <input type="checkbox"/> TC C <input type="checkbox"/> RTD Pt 500 <input type="checkbox"/> -20 to +20mA DC <input type="checkbox"/> TC E <input type="checkbox"/> TC N <input type="checkbox"/> RTD Pt 1000 <input type="checkbox"/> POT 0 to 4000Ω <input type="checkbox"/> TC J <input type="checkbox"/> TC U <input type="checkbox"/> RTD Pt 50Ω <input type="checkbox"/> POT 0 to 2500Ω <input type="checkbox"/> TC T <input type="checkbox"/> TC L <input type="checkbox"/> RTD JPt 100 <input type="checkbox"/> POT 0 to 1200Ω <input type="checkbox"/> TC B <input type="checkbox"/> TC P <input type="checkbox"/> RTD Ni 508.4Ω <input type="checkbox"/> POT 0 to 600Ω <input type="checkbox"/> TC R <input type="checkbox"/> RTD Cu 10 <input type="checkbox"/> POT 0 to 300Ω <input type="checkbox"/> CH disable <input type="checkbox"/> POT 0 to 150Ω <input type="checkbox"/> OHM 0 to 4000Ω	-10 to +10V DC	<input type="checkbox"/>
INPUT 3	<input type="checkbox"/> -10 to +10V DC <input type="checkbox"/> TC (PR) <input type="checkbox"/> TC S <input type="checkbox"/> RTD Pt 100 <input type="checkbox"/> -1000 to +1000mV DC <input type="checkbox"/> TC K <input type="checkbox"/> TC C <input type="checkbox"/> RTD Pt 500 <input type="checkbox"/> -20 to +20mA DC <input type="checkbox"/> TC E <input type="checkbox"/> TC N <input type="checkbox"/> RTD Pt 1000 <input type="checkbox"/> POT 0 to 4000Ω <input type="checkbox"/> TC J <input type="checkbox"/> TC U <input type="checkbox"/> RTD Pt 50Ω <input type="checkbox"/> POT 0 to 2500Ω <input type="checkbox"/> TC T <input type="checkbox"/> TC L <input type="checkbox"/> RTD JPt 100 <input type="checkbox"/> POT 0 to 1200Ω <input type="checkbox"/> TC B <input type="checkbox"/> TC P <input type="checkbox"/> RTD Ni 508.4Ω <input type="checkbox"/> POT 0 to 600Ω <input type="checkbox"/> TC R <input type="checkbox"/> RTD Cu 10 <input type="checkbox"/> POT 0 to 300Ω <input type="checkbox"/> CH disable <input type="checkbox"/> POT 0 to 150Ω <input type="checkbox"/> OHM 0 to 4000Ω	-10 to +10V DC	<input type="checkbox"/>

CHANNEL	SET VALUE	DEFAULT VALUE	FACTORY INTERNAL CHECK
INPUT 4	<input type="checkbox"/> -10 to +10V DC <input type="checkbox"/> TC (PR) <input type="checkbox"/> TC S <input type="checkbox"/> RTD Pt 100 <input type="checkbox"/> -1000 to +1000mV DC <input type="checkbox"/> TC K <input type="checkbox"/> TC C <input type="checkbox"/> RTD Pt 500 <input type="checkbox"/> -20 to +20mA DC <input type="checkbox"/> TC E <input type="checkbox"/> TC N <input type="checkbox"/> RTD Pt 1000 <input type="checkbox"/> POT 0 to 4000Ω <input type="checkbox"/> TC J <input type="checkbox"/> TC U <input type="checkbox"/> RTD Pt 50Ω <input type="checkbox"/> POT 0 to 2500Ω <input type="checkbox"/> TC T <input type="checkbox"/> TC L <input type="checkbox"/> RTD JPt 100 <input type="checkbox"/> POT 0 to 1200Ω <input type="checkbox"/> TC B <input type="checkbox"/> TC P <input type="checkbox"/> RTD Ni 508.4Ω <input type="checkbox"/> POT 0 to 600Ω <input type="checkbox"/> TC R <input type="checkbox"/> RTD Cu 10 <input type="checkbox"/> POT 0 to 300Ω <input type="checkbox"/> CH disable <input type="checkbox"/> POT 0 to 150Ω <input type="checkbox"/> OHM 0 to 4000Ω	-10 to +10V DC	<input type="checkbox"/>

■ **WIRING** (SPECIFY ONLY FOR RESISTOR AND RTD)

CHANNEL	SET VALUE	DEFAULT VALUE	FACTORY INTERNAL CHECK
INPUT 1	<input type="checkbox"/> 2-wire <input type="checkbox"/> 3-wire	3-wire	<input type="checkbox"/>
INPUT 2	<input type="checkbox"/> 2-wire <input type="checkbox"/> 3-wire	3-wire	<input type="checkbox"/>
INPUT 3	<input type="checkbox"/> 2-wire <input type="checkbox"/> 3-wire	3-wire	<input type="checkbox"/>
INPUT 4	<input type="checkbox"/> 2-wire <input type="checkbox"/> 3-wire	3-wire	<input type="checkbox"/>

■ **BURNOUT** (SPECIFY ONLY FOR POTENTIOMETER, RESISTOR, RTD AND THERMOCOUPLE)

CHANNEL	SET VALUE	DEFAULT VALUE	FACTORY INTERNAL CHECK
INPUT 1	<input type="checkbox"/> Upscale <input type="checkbox"/> Downscale <input type="checkbox"/> None	Upscale	<input type="checkbox"/>
INPUT 2	<input type="checkbox"/> Upscale <input type="checkbox"/> Downscale <input type="checkbox"/> None	Upscale	<input type="checkbox"/>
INPUT 3	<input type="checkbox"/> Upscale <input type="checkbox"/> Downscale <input type="checkbox"/> None	Upscale	<input type="checkbox"/>
INPUT 4	<input type="checkbox"/> Upscale <input type="checkbox"/> Downscale <input type="checkbox"/> None	Upscale	<input type="checkbox"/>

■ **CJC** (SPECIFY ONLY FOR THERMOCOUPLE)

CHANNEL	SET VALUE	DEFAULT VALUE	FACTORY INTERNAL CHECK
INPUT 1	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	Enabled	<input type="checkbox"/>
INPUT 2	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	Enabled	<input type="checkbox"/>
INPUT 3	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	Enabled	<input type="checkbox"/>
INPUT 4	<input type="checkbox"/> Enabled <input type="checkbox"/> Disabled	Enabled	<input type="checkbox"/>

■ **UNIT** (SPECIFY ONLY FOR RTD AND THERMOCOUPLE)

CHANNEL	SET VALUE	DEFAULT VALUE	FACTORY INTERNAL CHECK
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"/>
INPUT 4	<input type="checkbox"/> °C <input type="checkbox"/> °F <input type="checkbox"/> K	°C	<input type="checkbox"/>

■ ZERO / FULL BASE

CHANNEL		AVAILABLE RANGE	SET VALUE	DEFAULT VALUE	FACTORY INTERNAL CHECK
INPUT 1	Zero base	depends on input types (Refer to table 1 and 2)		0	<input type="checkbox"/>
	Full base	depends on input types (Refer to table 1 and 2)		0	<input type="checkbox"/>
INPUT 2	Zero base	depends on input types (Refer to table 1 and 2)		0	<input type="checkbox"/>
	Full base	depends on input types (Refer to table 1 and 2)		0	<input type="checkbox"/>
INPUT 3	Zero base	depends on input types (Refer to table 1 and 2)		0	<input type="checkbox"/>
	Full base	depends on input types (Refer to table 1 and 2)		0	<input type="checkbox"/>
INPUT 4	Zero base	depends on input types (Refer to table 1 and 2)		0	<input type="checkbox"/>
	Full base	depends on input types (Refer to table 1 and 2)		0	<input type="checkbox"/>

■ SCALED RANGE ZERO / SPAN (SPECIFY ONLY FOR RTD AND THERMOCOUPLE AND WHEN ZERO/FULL BASE IS SET)

CHANNEL		AVAILABLE RANGE	SET VALUE	DEFAULT VALUE	FACTORY INTERNAL CHECK
INPUT 1	Scaled range Zero	-32000 to +32000		0	<input type="checkbox"/>
	Scaled range Span	-32000 to +32000		10000	<input type="checkbox"/>
INPUT 2	Scaled range Zero	-32000 to +32000		0	<input type="checkbox"/>
	Scaled range Span	-32000 to +32000		10000	<input type="checkbox"/>
INPUT 3	Scaled range Zero	-32000 to +32000		0	<input type="checkbox"/>
	Scaled range Span	-32000 to +32000		10000	<input type="checkbox"/>
INPUT 4	Scaled range Zero	-32000 to +32000		0	<input type="checkbox"/>
	Scaled range Span	-32000 to +32000		10000	<input type="checkbox"/>

■ FIRST ORDER LAG FILTER

CHANNEL	AVAILABLE RANGE	SET VALUE	DEFAULT VALUE	FACTORY INTERNAL CHECK
INPUT 1	0.0, 0.5 to 60.0 (sec.)		0.0, (sec.)	<input type="checkbox"/>
INPUT 2	0.0, 0.5 to 60.0 (sec.)		0.0, (sec.)	<input type="checkbox"/>
INPUT 3	0.0, 0.5 to 60.0 (sec.)		0.0, (sec.)	<input type="checkbox"/>
INPUT 4	0.0, 0.5 to 60.0 (sec.)		0.0, (sec.)	<input type="checkbox"/>

[Table 1]

■ INPUT TYPE, RANGE

INPUT TYPE	INPUT RANGE
DC Current	-20 to +20 mA DC
DC Voltage	-1000 to +1000 mV DC
	-10 to +10 V DC
Potentiometer	0 to 4000Ω
Resistor	0 to 4000Ω

Thermocouple	°C		°F		K	
	USABLE RANGE	CONFORMANCE RANGE	USABLE RANGE	CONFORMANCE RANGE	USABLE RANGE	CONFORMANCE RANGE
(PR)	-50 to 1860	0 to 1760	-58 to +3380	32 to 3200	223.2 to 2133.2	273.2 to 2033.2
K (CA)	-273.2 to +1470	-150 to +1370	-460 to +2678	-238 to +2498	0 to 1743.2	123.2 to 1643.2
E (CRC)	-273.2 to +1020	-170 to +1000	-460 to +1868	-274 to +1832	0 to 1293.2	103.2 to 10273.2
J (IC)	-273.2 to +1300	-180 to +1200	-460 to +2372	-292 to +2192	0 to 1573.2	93.2 to 1473.2
T (CC)	-273.2 to +500	-170 to +400	-460 to +932	-274 to +752	0 to 773.2	103.2 to 673.2
B (RH)	20 to 1920	400 to 1760	68 to 3488	752 to 3200	293.2 to 2193.2	673.2 to 2033.2
R	-100 to +1860	200 to 1760	-148 to +3380	392 to 3200	173.2 to 2133.2	473.2 to 2033.2
S	-100 to +1860	0 to 1760	-148 to +3380	32 to 3200	173.2 to 2133.2	273.2 to 2033.2
C (WRe 5-26)	-50 to +2420	0 to 2315	-58 to +4388	32 to 4199	223.2 to 2693.2	273.2 to 2588.2
N	-273.2 to +1400	-130 to +1300	-460 to +2552	-202 to +2372	0 to 1673.2	143.2 to 1573.2
U	-273.2 to +700	-200 to +600	-460 to +1292	-328 to +1112	0 to 973.2	73.2 to 873.2
L	-273.2 to +1000	-200 to +900	-460 to +1832	-328 to +1652	0 to 1273.2	73.2 to 1173.2
P (Platinel II)	-50 to +1500	0 to 1395	-58 to +2732	32 to 2543	223.2 to 1773.2	273.2 to 1668.2

RTD	°C		°F		K	
	USABLE RANGE	CONFORMANCE RANGE	USABLE RANGE	CONFORMANCE RANGE	USABLE RANGE	CONFORMANCE RANGE
Pt 100 (JIS '97, IEC)	-240 to +950	-200 to +850	-400 to +1742	-328 to +1562	33.2 to 1223.2	73.2 to 1123.2
Pt 500	-240 to +950	-200 to +850	-400 to +1742	-328 to +1562	33.2 to 1223.2	73.2 to 1123.2
Pt 1000	-240 to +950	-200 to +850	-400 to +1742	-328 to +1562	33.2 to 1223.2	73.2 to 1123.2
Pt 50Ω (JIS '81)	-235 to +750	-200 to +649	-391 to +1382	-328 to +1200	38.2 to 1023.2	73.2 to 922.2
JPt 100 (JIS '89)	-235 to +610	-200 to +510	-391 to +1130	-328 to +950	38.2 to 913.2	73.2 to 783.2
Ni 508.4Ω	-100 to +330	-50 to +200	-148 to +626	-58 to +392	173.2 to 603.2	223.2 to 473.2
Cu 10 @ 25°C	-210 to +350	-50 to +250	-346 to +662	-58 to +482	63.2 to 623.2	223.2 to 523.2

[Table 2]

FEATURE	DESCRIPTION	INPUT TYPE	RANGE
Zero base / Full base	0% setting value / 100% setting value	-20 to +20mA	-32.000 to +32.000
		-10 to +10V	
		POT (%)	-320.00 to +320.00
		-1000 to +1000mV	-3200.0 to +3200.0
		RTD, TC (°C, K)	
		RTD, TC (°F)	-32000 to +32000
		0 to 4000 Ω	0 to 32000