ORDERING INFORMATION MODEL : R9CWTU

PLEASE FILL IN THIS SECTION	FACTORY USE ONLY	
Model	Job No.	Approved by (Sales office)
Company	Ser No.	Issued by (Sales office)
Name	Sales	Approved by (Factory)
P/O No.		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.

■ CONFIGURATION MODE

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
Configuration Mode	☐ DIP switch setting ☐ PC Configurator and communication	DIP switch setting	Specify setting method for system configuration, CT sensor type, CC-Link. ＊ DIP switch setting ・Settings are changed according to DIP switch when power is turned on. ・CT sensor type setting is common for all circuit. It is not available to specify except circuit 1. ＊ PC Configurator and communication ・The setting with DIP switch is not available.	☐

■ INPUT SETTING

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
System configuration	☐ Single-phase / 2-wire (1CT) ☐ Single-phase / 3-wire (2CT) ☐ Three-phase / 3-wire, balanced load (1CT) ☐ Three-phase / 3-wire, unbalanced load (2CT)	Three-phase / 3-wire, unbalanced load (2CT)		☐
VT rating, Primary		110V	50 to 400 000 : Voltage (V)	☐
VT rating, Secondary		110V	50 to 500 : Voltage (V) The secondary can be set up to 500V. However, this does not mean the unit accepts 500V for input. Do not use with the condition exceeding input rating written in the specification sheet of the unit.	☐
Low-end cutout, Voltage		1.0	0.0 to 99.9 : (%) Rated voltage × Specified percentage	☐

■ INPUT SETTING (FOR EACH CIRCUIT)

ITEM		SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
Circuit 1	CT rating, Primary		5A	1 to 20 000: Current (A) Valid only for the sensor type CLSE-R5. Selected sensor's rating is automatically set for other types of sensors.	☐
	CT sensor type	☐ CLSE-R5 ☐ CLSE-20 ☐ CLSE-05 ☐ CLSE-40 ☐ CLSE-10 ☐ CLSE-60	CLSE-R5		☐
	Low-end cutout, Current		1.0	0.0 to 99.9 : (%) Rated current × Specified percentage	☐
Circuit 2	CT rating, Primary		5A		☐
	CT sensor type	☐ CLSE-R5 ☐ CLSE-20 ☐ CLSE-05 ☐ CLSE-40 ☐ CLSE-10 ☐ CLSE-60	CLSE-R5	When configuration mode is 'DIP switch setting', it is not available to specify CT sensor for circuit 2 or later.	☐
	Low-end cutout, Current		1.0		☐
Circuit 3	CT rating, Primary		5A		☐
	CT sensor type	☐ CLSE-R5 ☐ CLSE-20 ☐ CLSE-05 ☐ CLSE-40 ☐ CLSE-10 ☐ CLSE-60	CLSE-R5		☐
	Low-end cutout, Current		1.0		☐
Circuit 4	CT rating, Primary		5A		☐
	CT sensor type	☐ CLSE-R5 ☐ CLSE-20 ☐ CLSE-05 ☐ CLSE-40 ☐ CLSE-10 ☐ CLSE-60	CLSE-R5		☐
	Low-end cutout, Current		1.0		☐
Circuit 5	CT rating, Primary		5A		☐
	CT sensor type	☐ CLSE-R5 ☐ CLSE-20 ☐ CLSE-05 ☐ CLSE-40 ☐ CLSE-10 ☐ CLSE-60	CLSE-R5		☐
	Low-end cutout, Current		1.0		☐
Circuit 6	CT rating, Primary		5A		☐
	CT sensor type	☐ CLSE-R5 ☐ CLSE-20 ☐ CLSE-05 ☐ CLSE-40 ☐ CLSE-10 ☐ CLSE-60	CLSE-R5		☐
	Low-end cutout, Current		1.0		☐
Circuit 7	CT rating, Primary		5A		☐
	CT sensor type	☐ CLSE-R5 ☐ CLSE-20 ☐ CLSE-05 ☐ CLSE-40 ☐ CLSE-10 ☐ CLSE-60	CLSE-R5		☐
	Low-end cutout, Current		1.0		☐
Circuit 8	CT rating, Primary		5A		☐
	CT sensor type	☐ CLSE-R5 ☐ CLSE-20 ☐ CLSE-05 ☐ CLSE-40 ☐ CLSE-10 ☐ CLSE-60	CLSE-R5		☐
	Low-end cutout, Current		1.0		☐

■ DEMAND SETTING

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
Average (demand) current update interval		30 minutes	1 to 30: Internal timer (Unit: minutes) Data updated at the integral multiple minute of the setting. (e.g. Setting = 15 minutes, Updated at 0, 15, 30 and 45 minutes every hour)	☐
Average (demand) power update interval		30 minutes	1 to 30: Internal timer (Unit: minutes) Data updated at the integral multiple minute of the setting.	☐

■ STYLE SETTING

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
Power factor (PF1 through PF3, PF) sign		0	0 : Standard (IEC), Identical to the active energy 1 : Special type 1 (IEEE), Positive in LAG, Negative in LEAD	☐
Reactive power (Q1 through Q3, Q) sign		0	0 : Standard (IEC), Positive from PF = 1.0 to 180° in LAG direction; Negative for the other direction 1 : Special type 1, Positive in LAG, Negative in LEAD	☐
Reactive power (Q1 through Q3) calculation (Q = Q1 + Q2 + Q3)		0	0: Standard $\left(\mathrm{Qn} = \sqrt{\mathrm{Sn}^2 - \mathrm{Pn}^2}\right)$ 1: Reactive power meter method $\left(\mathrm{Qn} = \frac{1}{Nsmp}\sum_{i=1}^{Nsmp}(Un_i - N_i)I_{i+Nsmp/4}\right)$	☐
Apparent power (S) calculation		0	0 : Standard $\left(\mathrm{S} = \sqrt{\mathrm{P}^2 + \mathrm{Q}^2}\right)$ 1 : Sum $\left(\mathrm{S} = \mathrm{S1} + \mathrm{S2} + \mathrm{S3}\right)$	☐

Note: ‘1,’ ‘2,’ ‘3’ in expressions like Q1, Q2, Q3 indicate ‘R,’ ‘S,’ ‘T’ respectively.

■ CC-Link SETTING

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
Station address		0	CC-Link Ver.1.10: 1 to 64 CC-Link Ver.2.0: 1 to 61	☐
Baud rate	☐ 156kbps ☐ 625kbps ☐ 2.5Mbps ☐ 5Mbps ☐ 10Mbps	156kbps		☐