

QUICK REFERENCE [Applicable model: SGU, SGUW, SGUL]

No.SGU12JE1 2018.10

Model Name

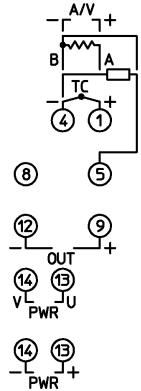
SGU □ - □ □ □ - □ □

- Option
 - 0: No option needed, 1: Multi-rotation trimmer
 - 2: Moisture-proof treatment
 - 3: Multi-rotation trimmer+Moisture-proof treatment
 - Power supply
 - 0: 100 to 240 V AC
 - 1: 24 V AC/DC*2
 - Output 2¹
 - Output*2, Output 1¹
 - Input
 - Series name
- *1: SGUW only SGU: 1-output, SGUW: 2-outputs
 *2: SGU, SGUL only SGUL: 1-output + Serial communication

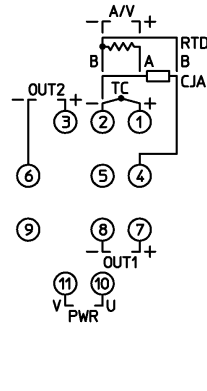
(For detailed input/output spec, refer to the full Instruction Manual.)

Terminal Arrangement

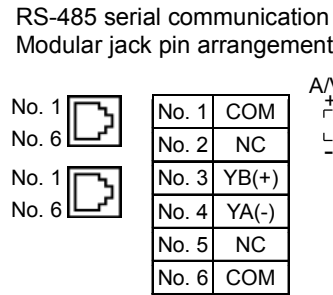
SGU, SGUL



SGUW

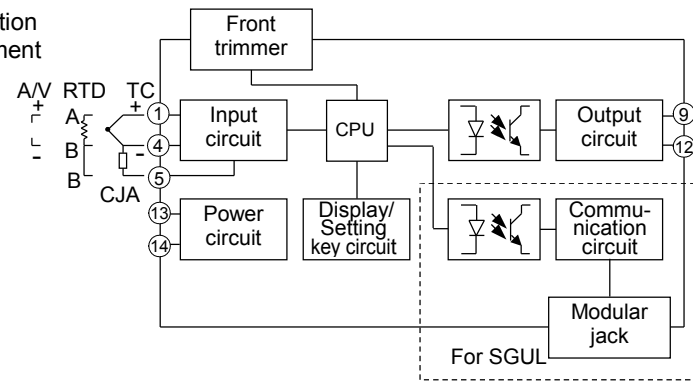


SGUL only

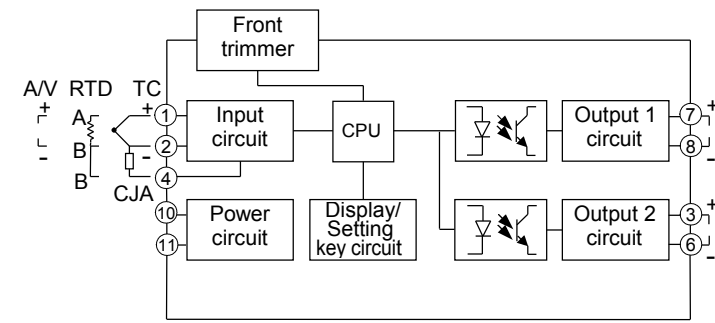


Circuit Configuration

SGU, SGUL



SGUW



Characters

Indication	A	b	C	d	E	F	G	H	I	J	K	L	M	N	o	P	Q	R	S	T	U	V	W	X	Y	Z	-	0	1	2	3	4	5	6	7	8	9	°C	°F
Alphanumeric, °C/°F	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	-	0	1	2	3	4	5	6	7	8	9	°C	°F

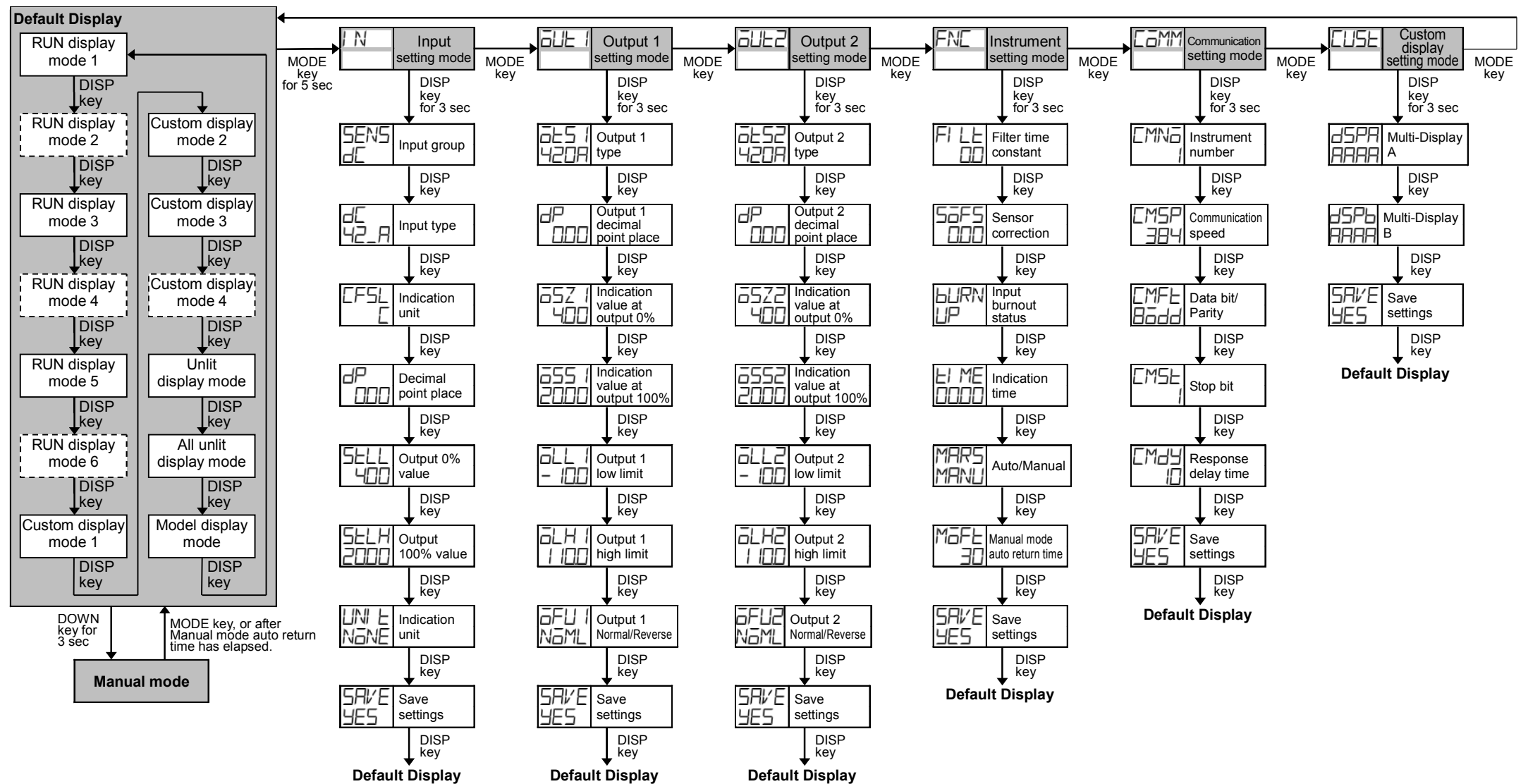
Selection Item List

Input group	0 10A	0 to 10 mA (100Ω shunt resistor)	Save settings	YES Save
DC	DC input		NO	Not save
TC	Thermocouple input	1 to 5 mA (100Ω shunt resistor)	Output 1, Output 2 type	
RTD	RTD input	1 SA	420A	4 to 20 mA
Input type	0 IA	0 to 1 mA (1000Ω shunt resistor)	020A	0 to 20 mA
K C	K-200 to 1370 °C		0 16A	0 to 16 mA
K 2C	K -200 to 200 °C	1050	2 10A	2 to 10 mA
K 4C	K 0 to 400 °C		0 10A	0 to 10 mA
J C	J-200 to 1000 °C		0 10V	0 to 10 mV
J 2C	J -200 to 200 °C	0 1MV	0 10V	0 to 10 mV
J 4C	J 0 to 400 °C		0 10V	0 to 100 mV
R C	R -50 to 1760 °C	05MV	0 1V	0 to 1 V
S C	S -50 to 1760 °C		0 5V	0 to 5 V
b C	B 0 to 1820 °C	06MV	1 5V	1 to 5 V
E C	E -200 to 800 °C		0 10V	0 to 10 V
E 2C	T -200 to 400 °C	00 1V	-55V	-5 to 5 V*1
E 1C	T -100 to 100 °C		Output 1,2 decimal point place	
N C	N-200 to 1300 °C	0 1V		No decimal point
PL2C	PL-110 to 1390 °C	0 5V	00	1 digit after point
W5 C	W5Re/W26Re 0 to 2315 °C		000	2 digits after point
W3 C	W3Re/W25Re 0 to 2315 °C	1 5V	0000	3 digits after point
PE C	Pt100 -200 to 650 °C	-55V	NAML	Normal
PE 1C	Pt100 -100 to 100 °C	0 10V	REVS	Reverse
PE 1C	Pt100 -100 to 100 °C	-1 10V	UP	Overscale
PE 1C	Pt100 -100 to 100 °C	-1 10V	dOWN	Underscale
JP1C	JPt100 -200 to 500 °C	Input unit	AUTO	Auto
JP 1C	JPt100 -100 to 100 °C	°C	MANU	Manual
JP 1C	JPt100 -100 to 100 °C	°F	Communication speed	
42_A	4 to 20 mA (Built-in 50 Ω shunt resistor)	Decimal point place	96	9600 bps
42_1	4 to 20 mA (250Ω shunt resistor)	00	192	19200 bps
42_2	4 to 20 mA (50 Ω shunt resistor)	000	384	38400 bps
020A	0 to 20 mA (250Ω shunt resistor)	0000	8N8N	8 bits/No parity
0 16A	0 to 16 mA (62.5Ω shunt resistor)	Indication unit	8EVN	8 bits/Even
2 10A	2 to 10 mA (250Ω shunt resistor)	MA	8ODD	8 bits/Odd
		MA	PER	Stop bit
		VOLT		
		CELS		

(Abbreviation: Input resi.: Input resistance)

*1 Not available for the SGUW.

Key Operation Flowchart



Display Mode

- Available only for the SGUW.
- For the details of the display mode, refer to the full Instruction Manual.

Default Display

- If the MODE and DISP keys (in that order) are pressed together for approx. 3 seconds in any display mode, the display mode will become the Default Display.
- Once the Default Display is set, the DISP key will be in lock status.
- If the DISP key is pressed for approx. 3 seconds, the key lock status will be cancelled.
- If the DISP key is pressed while the DISP key is in lock status, Multi-Display A will indicate LOCK.

Setting Mode

- Output 2 setting mode is available only for the SGUW.
- Communication setting mode is available only for the SGUL.
- If the MODE key is pressed for approx. 5 seconds in each setting mode, the unit will move to the Default Display.