



BASIC FEATURES

- □ Multi-input and multi-range performance
- □ Large 20mm bright display (SR93)
- □ Readable from a distance and in a low light area
- □ 2-output heating and cooling control available
- □ RS232C or RS485 Interface available
- □ Dust and splash proof front panel equivalent to IP66
- □ A wide selection of additional functions (optional) is available to suit various needs.

SPECIFICATIONS

Display Digital display:	Measured value (PV)/7 segments red LED		se action characteristic): Heating action nd cooling action (OUT2)
Digital display!	4 digits		t characteristic): 2-stage heating action
	Target set value (SV)/7 segments green	• Type of control/rating:	Contact/1a 240V AC 2A (resistive load)
Display accuracy:	LED 4 digits $\pm (0.3\%$ FS + 1 digit)	(Common to Output 1 and 2):	1.2A (inductive load) SSR drive voltage/12V±1.5V DC
Display accuracy:	\pm (0.3%FS + 1 digit) Excluding reference contact temperature	(Common to Output 1 and 2).	(Maximum load current 30mA)
	compensation accuracy of thermocouple		Current/4~20mA DC (Maximum load
	input.		resistance 600Ω)
	Accuracy of readings lower than -100° C of		Voltage/0~10V DC (Maximum load current 2mA)
	thermocouples K, T, U inputs is $\pm 0.7\%$ FS. Accuracy guarantee not applicable to	• Control output resolution:	Control output 1: approx. 0.0125% (1/8000)
	400° C (752°F) and below of B		Control output 2: approx. 0.5% (1/200)
	thermocouple.	• Control output 1	
Display accuracy maintaini		Proportional band (P):	OFF, 0.1~999.9% (ON-OFF action by OFF
Display resolution:	$23^{\circ}C \pm 5^{\circ}C (18 \sim 28^{\circ}C)$ Depends on measuring range (0.001, 0.01,	Integral time (I):	OFF, 1~6000 seconds (P or PD action by OFF)
Display resolution.	0.1 and 1)	Derivative time (D):	OFF, 1~3600 seconds
	: -10%~110% of measuring range		(P or PI action by OFF)
Display updating cycle:	0.25 seconds	Set value function:	OFF, 0.01~1.00
Action display/color:	7 type, LED lamp display Control output (OUT1, OUT2)/Green	ON-OFF hysteresis: Manual reset:	1~999 units (Effective when P=OFF) -50.0~50.0% (Effective when I=OFF)
	Event (EV1, EV2)/Orange		Lower limit 0.0~99.9%, higher limit
	Auto tuning/Green		0.1~100.0% (Lower limit value < Higher
	Manual control output (MAN)/Green		limit value)
	Set value bias, communication	Proportional cycle:	1~120 seconds (for contact and SSR drive voltage output)
Setting	(SB/COM)/Green	• Control output 2 (option)	voltage output)
Setting method:	By operating 4 keys (۞, ♥, ▲	Proportional band (P):	OFF, 0.1~999.9%
	and (ENT) on the front panel		(ON-OFF action by OFF)
Target value setting range:	Same as measuring range (within setting	Integral time (I):	OFF, 1~6000 seconds
	limiter)	Derivative time (D):	(P or PD action by OFF) OFF, 1~3600 seconds
• Setting limiter:	Individual setting for higher and lower limits, any value is selectable within	Derivative time (D).	(P or PI action by OFF)
	measuring range (Lower limit	Set value function:	OFF, 0.01~1.00
	value <higher limit="" td="" value)<=""><td>ON-OFF hysteresis:</td><td>1~999 units (Effective when P=OFF)</td></higher>	ON-OFF hysteresis:	1~999 units (Effective when P=OFF)
Input		Dead band:	-1999~5000 units (Overlap with a negativ value)
Type of input:	Selectable from multiple (TC, Pt, mV), voltage (V) and current (mA)	Higher/lower limit output limiter:	Lower limit 0.0~99.9%, higher limit
Thermocouple:	B, R, S, K, E, J, T, N, PL II, Wre5-26 {U, L	6	0.1~100.0% (Lower limit value < Higher
mennoeoupier	(DIN 43710)}		limit value)
Input impedance:	500k Ω minimum	Proportional cycle:	1~120 seconds (for contact and SSR drive voltage output)
External resistance tolerance: Burnout function:		 Manual control 	vonage output)
Reference junction comper	Standard feature (up scale)	Output setting range:	0.0~100.0%
Tererenee Junetion compen	$\pm 1^{\circ}$ C (within the accuracy maintaining	Setting resolution:	0.1%
	range $(23 \pm 5^{\circ}C))$	Manual \leftrightarrow auto switching:	Balanceless bumpless (within proportional range)
	$\pm 2^{\circ}$ C (between 5 and 45°C of ambient	• Soft start:	OFF, 1~100 seconds
R.T.D.:	temperature) Pt100/JPt100, 3-wire type	• AT point:	SV value in execution
Normal current:	0.25 mA	• Control output characteristic:	RA (reverse action characteristic)/DA
Lead wire tolerance:	5Ω maximum/wire (3 lead wires should		(direct action characteristic) switching by front key or communication
X7 1/ X7	have the same resistance.)	With 2 outputs:	RA (heating/cooling)/DA (2 stage heating)
Voltage mV:	-10~10, 0~10, 0~20, 0~50, 10~50, 0~100mv DC	• Isolation:	Contact output isolated from all.
V:	-1~1, 0~1, 0~2, 0~5, 1~5, 0~10V		Analog output not insulated from SSR driv
Input impedance:	500k Ω minimum		voltage, current and voltage but insulated
Current mA:	0~20, 4~20mA DC		from others. (In case another output is also SSR drive voltage, current or voltage,
Receiving impedance:	250Ω Scaling possible for voltage (mV, V) or		two outputs are not insulated from
Input scaling function:	current (mA) input		each other.)
Scaling range:	-1999~9999 counts	Event output (option)	
Span:	10~5000 counts	 Number of event points: 	2 points of EV1 and EV2
Position of decimal point:	None, 1, 2 and 3 digits on the right of	• Types:	Selectable from the following 9 types for EV1 and EV2:
Sampling cycle:	decimal point 0.25 seconds	oEE	No selection
PV bias:	-1999~2000 units		H igher limit deviation
PV filter:	0~100 seconds		Lower limit deviation
Isolation:	Control input not insulated from system, set		Outside higher/lower limit deviations
	value bias, and CT input but insulated from		W ithin higher/lower limit deviations H igher limit absolute value
	others		Lower limit absolute value
Control mode		50	Scaleover
With 1 output: Expert PII	O control with auto tuning function	HB	Heater break/loop alarm
	se action characteristic): Heating action	• Event setting range:	Absolute values (both higher limit and lower limit): Within measuring range
	t action characteristic): Cooling action		Deviations (both higher limit and lower
WITH A COMPANY PARTY PH	O control with auto tuning function +		limit): -1999~2000 units
	bl		11111()1999~2000 units
PID contro	bl ut 1) + PID (output 2)		Higher/lower limit deviations (within/outside): 0~2000 units

• Event action:	ON-OFF action	Analog output (option)	
• Hysteresis:	1~999 units	• Number of output points:	1 point
• Standby action:	Selectable from the following 4 types	• Type of analog output:	Selectable from measured value, target
EV1 and EV2:	1 Without standby action.		value (SV in execution), control output 1
	2 Standby when power is applied.		and control output 2.
	3 Standby when power is applied and when SV value in execution is changed.	• Output signal/rating:	$4 \sim 20 \text{mA DC/Maximum load resistance } 300\Omega$
	4 Control mode without standby action (No		0~10V DC/Maximum load current 2mA 0~10mV DC/Output resistance 10Ω
	alarm is output at the time of abnormal	• Output scaling:	Measured value, target value: Within
	input).	• Output scanng.	measuring range (inversed scaling possible)
• Output type/rating:	Contact $(1a \times 2 \text{ points common})/240V \text{ AC}$		Control output 1 and 2 0.0~100.0%
e output type/laung.	1A (resistive load)		(inversed scaling possible)
• Output updating cycle:	0.25 seconds	• Output accuracy:	$\pm 0.3\%$ FS (with respect to displayed value)
Heater break/heater loop	op alarm (option)	• Output resolution:	Approx. 0.01% (1/10000)
Break/loop detection only	for OUT1 (Selectable when output type is	 Output updating cycle: 	0.25 seconds
contact or SSR drive voltage		• Isolation:	Analog output insulated from system and
 Current capacity: 	30A, 50A to be designated when CT is		inputs but not insulated from control output
	ordered.		except contact output.
• Alarm action:	Heater current is detected by external CT	General specifications	
	provided as an accessory.	• Data storage:	Non-volatile memory (EEPROM)
	When heater break is detected while control	• Environmental conditions f	
	output is ON=Alarm output ON	Temperature:	-10~50°C
	When heater loop alarm is detected while	Humidity:	90% RH or less (no dew condensation) 2000m from the sea level or lower
• Current setting range:	control output is OFF=Alarm output ON OFF, 0.1~50.0A (Alarm action is stopped	Height: Category:	II
• Current setting range.	by setting OFF)	Degree of pollution:	2
• Setting resolution:	0.1A	• Storage temperature:	
 Current display range: 	0.0~55.0A	 Supply voltage: 	Either 100-240V AC±10% 50/60Hz or
 Display accuracy: 	$\pm 2.0 \text{A}$ (Sine wave at 50Hz)	a ffrij vinger	$24V \text{ AC/DC} \pm 10\%$ to be designated.
	0.25 seconds (every 0.5 seconds) common	• Power consumption:	SR91: 100-240VAC 11VA maximum for
	to ON and OFF		AC; 6W for DC 24V; 7VA for AC 24V
 Alarm retention mode: 	Selectable from lock (to retain) and real		SR92, SR93 and SR94: 100-240VAC
	(not to retain).		15VA maximum for AC; 8W for DC
 Standby action: 	Selectable from without (OFF) and with		24V; 9VA for AC 24V
	(ON).	 Input/noise removal ratio: 	50 dB or higher in normal mode (50/60 Hz)
 Sampling cycle: 	0.5 seconds		130 dB or higher in common mode
• Isolation:	CT input not insulated from system and other inputs but insulated from the others.	• Applicable standards:	(50/60 Hz) Safety: IEC1010 and EN61010-1
Set value bias (option)	other inputs out insufated from the others.	• Applicable standards.	EMC: EN61326
• Setting range:	-1999~5000 units	• Insulation resistance:	Between input/output terminals and power
 Action input: 	Non-voltage contact or open collector (level	- insulation resistance.	terminal 500V DC 20M Ω or above;
<u>F</u>	action) about 5V DC, 1mA maximum		Between input/output terminals and
• Minimum level retention time:	0.15 seconds		protective conductor terminal 500V DC
• Isolation:	Action input not insulated from system and		$20M\Omega$ or above
	other inputs but insulated from others	• Dielectric strength:	Between input/output terminals and power
Communication function	on (option)		terminal 2300V AC/minute; Between
• Type of communication:	RS-232C, RS-485		power terminal and protective conductor
 Communication system: 	RS-232C 3-line type half duplex system		terminal 1500V AC/minute
	RS-485 2-line type half duplex system	• Protective structure:	Only front panel has dust-proof and drip-
	{RS-485 is of half-duplex multi-drop (bus)	• Matarial of anot	proof structure equivalent to IP66. PPO resin molding
• Synchronization system:	system} Start-stop synchronization system	• Material of case:	(equivalent to UL94V-1)
 Synchronization system. Communication distance: 	RS-232C The longest: 15 m	• External dimensions:	(equivalent to OL94 v-1)
• Communication distance.	RS-485 The longest 500 m (depending on		$H48 \times W48 \times D111$ (Panel depth: 100) mm
	conditions)		$472 \times W72 \times D111$ (Panel depth: 100) mm
• Communication speed:	1200, 2400, 4800, 9600, 19200 bps		$H_{2} \times W_{2} \times D_{111}$ (Panel depth: 100) mm
• Data format:	7 bits, even parity, 1 stop bit or		$196 \times W48 \times D111$ (Panel depth: 100) mm
	8 bits, non-parity, 1 stop bit	• Mounting:	Push-in panel (one-touch mount)
• Communication address:	1~255	• Panel thickness:	1.0~4.0 mm
Communication memory mode:	EEP/RAM/r_E	Panel cutout:	SR91: H45 × W45 mm
• Communication BCC:	Add/Add two's cmp/XOR/None		SR92: H68 × W68 mm
 Communication delay time 			SR93: H92 × W92 mm
• Communication code:	ASCII code		SR94: H92 \times W45 mm
• Communication protocol:	1	• Weight:	SR91: Approximately 170 g
• Number of connectable ins			SR92: Approximately 280 g
	RS-232 1		SR93: Approximately 330 g
• Isolation:	RS-485 up to 31		SR94: Approximately 240 g
 Isolation: 	Communication signals insulated from		

Communication signals insulated from system, each input and each output.

ITEM		CO	ODE					SPECIFICATIONS		
SERIES	SR91-							MPU-Based Auto-Tuning PID Digital Controller,	DIN H48× W48×D110mm	
								Thermocouple: B, R, S, K, E, J, T, N, PLII, Wre		
								R.T.D.: Pt100 Ω /JPt100 Ω		
		8		wu	ılti inp	ut		Voltage: -10~10, 0~10, 0~20, 0~50,	For voltage and current input:	
NIDUT								10~50, 0~100mV DC	Scaling Possible	
INPUT								Current (mA): 0~20, 4~20mA DC	Range: -1999~9999	
		4						Receiving impedance: 250 Ω	Span: 10~5000	
								Voltage (V): -1~1, 0~1, 0~2, 0~5,	Note: Inverse scaling	
		6						1~5, 0~10V DC	is not possible	
			X					Contact: 1a, Contact capacity: 240V AC 2.5A/re	esistive load	
			Y-					Proportional cycle: 1~120 sec.		
								Current: 4~20mA DC		
			I-					Load resistance: 600 Ω max.		
CONTRO	L OUTPUT	I (1)	_					SSR drive voltage: 12V 1.5V DC/30mA max.		
			P-					Proportional cycle: 1~120 sec.		
			V-					Voltage: 0~10V DC		
			V-					Load current: 2mA max.		
				90-				100~240V AC 10%, 50/60Hz		
POWER	SUPPLY			08-				24V AC/DC 10%, 50/60Hz		
					0			None		
EVENIC	OUTPUT (O	PHC	DN)		1			Contact output (2a) Ev1, Ev2: 240V AC 1A/resistive load		
						Ν		None		
						Y		Contact: 1a, Contact capacity: 240V AC 2.5A/re	esistive load	
						Ŷ		Proportional cycle: 1~120 sec.		
								Current: 4~20mA DC		
		ontro	ol out	o+ /	2)	I		Load resistance: 600 Ωmax.		
		Jonuro	յուսպ	Jul (2)	Р		SSR drive voltage: 12±1.5V DC/30mA max.		
						Р		Proportional cycle: 1~120 sec.		
						v		Voltage: 0~10V DC		
OPTION						V		Load current: 2mA max.		
						4			Note: Avaialble only	
		looto	r broc	ماد ما	orm	1		Current setting range: 0.1~30.0A (with CT 30A)	when control output (1)	
		ieale	eater break alarm		ann	~		Current acting range: 0.1 E0.04 (with CT E0.4)	is Y or P and when event	
						2		Current setting range: 0.1~50.0A (with CT 50A)	output is selected.	
						3		Voltage: 0~10mV DC, Output resistance: 10 Ω	·	
	A	nalo	g outp	out		4		Current: 4~20mA DC, Load resistance: 300 Ωm	nax.	
						6		Voltage: 0~10V DC, Load current: 2mA max.		
	C	Comm	nunica	ation		5		RS-485		
		et ve	lue b	iac		8		1 point (setting range: -1999~5000), Non-voltage contact or Open collector input		
	5	bei va	ilue D	ias		ð		Open collector input rating: approx. 5V/1mA ma		
	~~						0	Without		
REMARK	.3						9	With (Please consult before ordering.)		

Note:

When you purchase a two-output type controller and use it in a one output capacity, larger overshooting or undershooting may happen as a result of integral operation. Therefore, we recommend you to choose a one-output type.

The cause of the above-mentioned problem is that the positional relationship between the proportional band (PB) and the set value (SV) of a one-output type controller differs from that of a two-output type.

ITEM			С	ODE					SPECIFICATIONS		
SERIES	SR92-								MPU-Based Auto-Tuning PID Digital Controller, D	DIN H72 × W72 × D110mm	
									Thermocouple: B, R, S, K, E, J, T, N, PLII, Wre5-2		
									R.T.D.: Pt100Ω /JPt100Ω		
		8		ılti input					Voltage (mV): -10~10, 0~10, 0~20,	or voltage and current input	
										Scaling Possible	
INPUT		4								Range: -1999~9999	
		4								Span: 10~5000	
										lote: Inverse scaling	
		6							$0 \sim 10 \text{V}$ DC Input resistance: $500 \text{k}\Omega$ min.	is not possible.	
			V						Contact: 1a, Contact capacity: 240V AC 2A/resist	ive load	
			Y-						Proportional cycle: 1~120 sec.		
									Current: 4~20mA DC		
			-						Load resistance: 600Ω max.		
CONTROL	OUTPUT ((1)							SSR drive voltage: 12V±1.5V DC/30mA max.		
			P-						Proportional cycle: 1~120 sec.		
			V-						Voltage: 0~10V DC		
			V-						Load current: 2mA max.		
				N-					None		
									Contact: 1a, Contact capacity: 240V AC 2A/resist	ive load	
				Y-					Proportional cycle: 1~120 sec.		
									Current: 4~20mA DC		
	OUTPUT ((2)		1-					Load resistance: 600Ω max. (RA when shipped)		
(OPTION)				_					SSR drive voltage: 12V±1.5V DC/30mA max.		
				P-					Proportional cycle: 1~120 sec.		
									Voltage: 0~10V DC		
				V-					Load current: 2mA max.		
				90-					100V~240V AC±10%, 50/60Hz		
POWER S	UPPLY			08-					24V AC/DC±10%, 50/60Hz		
					0				None		
									Event output (2a) Ev1, Ev2		
					1				Contact capacity: 240V AC 1A/resistive load		
EVENT OU HEATER E	JTPUT/ BREAK ALA	RM	(OP	TION)	2				Event output (Ev1) + Heater break alarm (with CT30	DA) Note: Available only when control output (1)	
	3				3				Event output (Ev1) + Heater break alarm (with CT50	()A) is Y or P is selected.	
						0			None		
	י די יחדו ור	ידחו				3			Voltage: $0~10mV$ DC, Output resistance: 10Ω		
ANALUG	OUTPUT (C	JF 11	UN)			4			Current: 4~20mA DC, Load resistance: 300Ω max	X.	
						6			Voltage: 0~10V DC, Load current: 2mA max.		
							0		None		
							5		RS-485		
COMMUN	ICATION O	R S	V BI	AS (OP	TION)	7		RS-232C		
							0		1 point (setting range: -1999~5000), Non-voltage co	ntact or Open collector input	
							8		Open collector input rating: approx. 5V/1mA max.	· · · · · · · · · · · · · · · · · · ·	
	`							0	Without		
REMARKS	>							9	Without With (Please consult before ordering.)		

Note:

When you purchase a two-output type controller and use it in a one output capacity, larger overshooting or undershooting may happen as a result of integral operation. Therefore, we recommend you to choose a one-output type.

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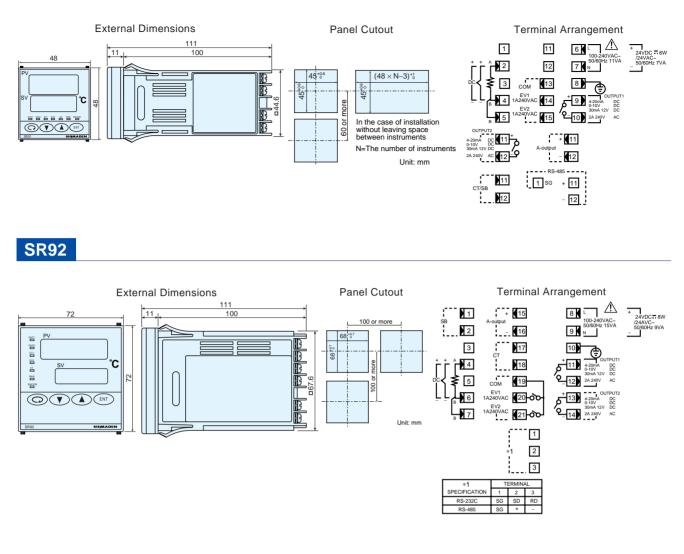
ITEM			CODE					SPECIFICATIONS				
	SR93-							MPU-Based Auto-Tuning PID Digital Controller, DIN H96 × W96 × D110mm				
SERIES	SR94-								MPU-Based Auto-Tuning PID Digital Controller, DIN H96 × W48 × D110mm			
									Thermocouple: B, R, S, K, E, J, T, N, PLII, Wres	5-26 {	U, L (DIN 43710)}	
			NA	14: :					R.T.D.: Pt100Ω /JPt100Ω			
		8	IVIU	lti inp	but				Voltage: -10~10, 0~10, 0~20,	For	voltage and current input:	
									0~50, 10~50, 0~100mV DC		ing Possible	
INPUT		4							Current (mA): 0~20, 4~20mA DC		ge: -1999~9999	
		4							Receiving impedance: 250Ω	Spar	-	
		6							Voltage (V): -1~1, 0~1, 0~2, 0~5, 0~10V DC			
		0							Load resistance: 600Ω max.		is not possible	
			Y-						Contact: 1a, Contact capacity: 240V AC 2A/resi	stive	load	
			-						Proportional cycle: 1~120 sec.			
			1-						Current: 4~20mA DC			
CONTRO		(1)	-						Load resistance: 600Ω max.			
		(-)	P-						SSR drive voltage: 12V±1.5V DC/30mA max.			
									Proportional cycle: 1~120 sec.			
			V-						Voltage: 0~10V DC			
									Load current: 2mA max.			
				N-					None	- C 1		
				Y-					Contact: 1a, Contact capacity: 240V AC 2A/resis	stive i	080	
									Proportional cycle: 1~120 sec. Current: 4~20mA DC			
CONTROL		(2)		I-					Load resistance: 600Ω max.			
(OPTION)								SSR drive voltage: 12V±1.5V DC/30mA max.				
				P-					Proportional cycle: 1~120 sec.			
									Voltage: 0~10V DC			
				V-					Load current: 2mA max.			
					90-				100~240V AC±10%, 50/60Hz			
POWER S	UPPLY				08-				24V AC/DC±10%, 50/60Hz			
						0			None			
						4			Event output (2a) Ev1, Ev2			
EVENT O						1			Contact capacity: 240V AC 1A/resistive load			
	BREAK AL	ARM	(OPT	ΓΙΟΝ	D I	2			Event output (Ev1) + Heater break alarm (with CT3	RUA)	Note: Available only	
			('	~				JUR)	when control output (1)	
						3			Event output (Ev1) + Heater break alarm (with CT5	50A)	is Y or P is selected.	
							00		None			
							30		Voltage: $0 \sim 10 \text{mV}$ DC, Output resistance: 10Ω			
	An	alog	outpu	ıt			40		Current: 4~20mA DC, Load resistance: 300Ω m	ax.		
							60		Voltage: 0~10V DC, Load current: 2mA max.			
			. h:.	- (0)	\/ h :=	-	00		1 point (setting range: -1999~5000), Non-voltage of	contac	t or Open collector input	
Set value bias (S V bias)		is)	08		Open collector input rating: approx. 5V/1mA ma	х.						
OPTION							20		Voltage: 0~10mV DC, Output resistance: 10Ω			
							38		SV bias 1 point			
		Analog output + Set value bias (S V bias)					48		Current: 4~20mA DC, Load resistance: 300Ω max. SV bias 1 point			
									Voltage: 0~10V DC, Load current: 2mA max.			
							68		Voltage: 0~10V DC, Load current: 2mA max. SV bias 1 point			
			nie d'	a .c			05		RS-485			
		mmu	nicati	on			07		RS-232C			
								0	Without			
REMARKS	-											

Note:

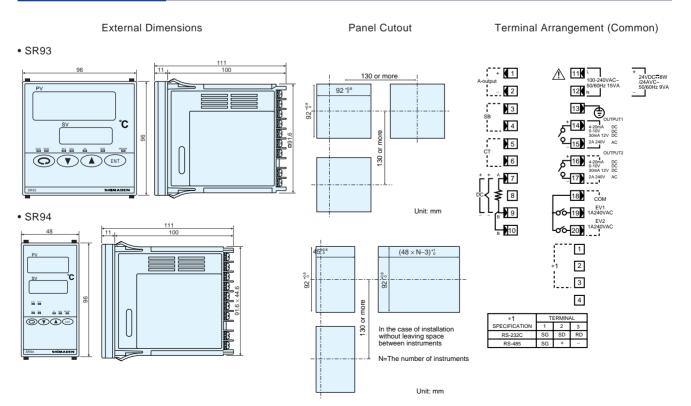
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SR93 AND SR94



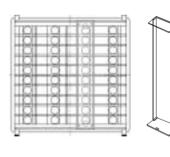
MEASURING RANGE CODES

	Input T	21	Code	Measuring range (°C)	Measuring range (°F)	Owing to scaling function, any measuring			
		B *1	01	$0 \sim 1800$	$0 \sim 3300$	range can be set within the following			
		R	02	$0 \sim 1700$	$0 \sim 3100$	range.			
		S	03	$0 \sim 1700$	$0 \sim 3100$				
		K	04 *2	-199.9 \sim 400.0	-300 \sim 750	Scaling range: -1999 to 9999 counts Span: 10 to 5000 counts on condition of			
		K	05	$0.0~\sim~800.0$	$0~\sim~1500$	Span: 10 to 5000 counts on condition of lower side < higher side			
		К	06	$0 \sim 1200$	$0 \sim 2200$	Iower side < higher side			
	Thermo-	E	07	$0 \sim 700$	$0 \sim 1300$	*1 Thermocouple:			
	couple	J	08	$0 \sim 600$	$0 \sim 1100$	B: Accuracy guarantee not applicable to			
	coupie	Т	09 *2	-199.9 \sim 200.0	-300 \sim 400	400° C (752°F) and below.			
		Ν	10	$0 \sim 1300$	$0~\sim~2300$				
	[PLII *3	11	$0 \sim 1300$	$0~\sim~2300$	*2 Thermocouple			
1		WRe5-26 *4	12	$0 \sim 2300$	$0 \sim 4200$	K, T, U: Accuracy of those whose			
Multi-input	[U *5	13 *2	-199.9 \sim 200.0	-300 \sim 400	readings are below -100°C is $\pm 0.7\%$ FS			
⊒. 		L *5	14	$0 \sim 600$	$0 \sim 1100$				
Ē			31	-200 \sim 600	-300 \sim 1100	*3 Thermocouple			
2		Dutoo	32	-100.0 ~ 100.0	-150.0 \sim 200.0	PLII: Platinel			
	D.T.D.	Pt100	33	-50.0 \sim 50.0	-50.0 ~ 120.0	*4 Thermocouple			
			34	$0.0 \sim 200.0$	$0.0 \sim 400.0$	Wre5-26: A product of Hoskins			
	R.T.D.		35	-200 \sim 500	-300 \sim 1000	Wieb 20. A product of Hoskins			
		Int100	36	-100.0 \sim 100.0	-150.0 ~ 200.0	*5 Thermocouple			
		Jpt100	37	-50.0 \sim 50.0	-50.0 ~ 120.0	U, L: DIN 43710			
			38	$0.0 \sim 200.0$	$0.0 \sim 400.0$				
		$-10 \sim 10$	71	Scaling possible	NOTE:	-			
		$0 \sim 10$	72		-	ed, the measuring range will be set as listed below			
	Voltage	$0\sim 20$	73	Refer to the information	during the shipment from				
	(mV)	$0\sim50$	74	on the right.	during the simplifient nor	in the factory.			
		$10\sim50$	75						
		$0 \sim 100$	76		Input	Specification/Rating Measuring range			
		-1 ~ 1	81						
		$0 \sim 1$	82		Multi-input	K thermocouple 0.0 ~ 800.0°C			
	Voltage (V)	$0 \sim 2$	83		india inpat				
	Jilage (v)	$0 \sim 5$	84						
		$1 \sim 5$	85		Voltage (V)	0 ~ 10V DC 0.0 ~ 100.0			
		$0 \sim 10$	86						
		$0 \sim 20$	91		Current (mA)	4 ~ 20mA DC 0 0 ~ 100 0			
10.511	rrent (mA)	4 ~ 20	92	1		4 ~ 20mA DC 0.0 ~ 100.0			

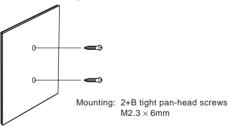
TERMINAL COVER (AVAILABLE SEPARATELY)

	Nodel	Mounting						
SR91	QCR001	One-touch mount						
SR92	QCR002	One-touch mount						
SR93 QCR003 One-tou mount								
Material//	Material/Appearance: PVC/transparent							

Thickness: 1 mm



	Model	Mounting				
0004	QCR004 (Individual mounting)	Plus screw, B tight, M2.3 \times 6 - 2 pcs.				
SR94	QCR005 (Tight-lock coupling)	Plus screw, B tight, M2.3 \times 6 - 4 pcs.				
Material/Appearance: PVC/transparent Thickness: 1 mm						



A Warning

• The SR90 series is designed for the control of temperature, humidity and other physical values of general industrial equipment. (It is not to be used for any purpose which regulates the prevention of serious effects on human life or safety.)

≜ Caution

• If the possibility of loss or damage to your system or property as a result of failure of any part of the process exists, proper safety measures must be made before the instrument is put into use so as to prevent the occurrence of trouble.

