

Technical drawing of the RLA-COVER (96x96mm) showing top and side views with dimensions and a table of model specifications.

Top View Dimensions:

- Overall Width: 94
- Overall Height: 91.5
- Internal Width: 96
- Internal Height: 86
- Flange Width: 3

Side View Dimensions:

- Overall Height: 91.5
- Internal Height: 86
- Flange Width: 3

Table of Model Specifications (unit: mm):

Model	Size	A	B	C	D
TK4N	55	37	45 ^{+0.6} _{-0.5}	22.2 ^{+0.3} _{-0.2}	
TK4S	65	65	45 ^{+0.6} _{-0.5}	45 ^{+0.6} _{-0.5}	
TK4S (P)	65	65	45 ^{+0.6} _{-0.5}	45 ^{+0.6} _{-0.5}	
TK4M	90	90	68 ^{+0.7} _{-0.6}	68 ^{+0.7} _{-0.6}	
TK4H	65	115	45 ^{+0.6} _{-0.5}	92 ^{+0.8} _{-0.7}	
TK4W	115	65	92 ^{+0.8} _{-0.7}	45 ^{+0.6} _{-0.5}	
TK4L	115	115	92 ^{+0.8} _{-0.7}	92 ^{+0.8} _{-0.7}	

[illegible]

Input type		Decimal point	Display	Input range (°C)	Input range (°F)
Thermocouple	K (CA)	1	$\overline{E}CRH$	-200 to 1350	-328 to 2463
		0.1	$\overline{E}CRL$	-199.9 to 999.9	-199.9 to 999.9
	J (IC)	1	$\overline{J}IC.H$	-200 to 800	-328 to 1472
		0.1	$\overline{J}I.C.L$	-199.9 to 800.0	-199.9 to 999.9
	E (CR)	1	$\overline{E}C.r.H$	-200 to 800	-328 to 1472
		0.1	$\overline{E}C.r.L$	-199.9 to 800.0	-199.9 to 999.9
	T (CC)	1	$\overline{E}CC.H$	-200 to 400	-328 to 752
		0.1	$\overline{E}C.C.L$	-199.9 to 400.0	-199.9 to 752.0
	B (PR)	1	$\overline{b}Pr$	0 to 1800	32 to 3272
	R (PR)	1	$\overline{r}Pr$	0 to 1750	32 to 3182
	S (PR)	1	$\overline{s}Pr$	0 to 1750	32 to 3182
	N (NN)	1	$\overline{n}n.n$	-200 to 1300	-328 to 2372
	C (TT) ^{*1}	1	$\overline{C}t.t$	0 to 2300	32 to 4172
	G (TT) ^{*2}	1	$\overline{G}t.t$	0 to 2300	32 to 4172
	L (IC)	1	$\overline{L}I.C.H$	-200 to 900	-328 to 1652
0.1		$\overline{L}I.C.L$	-199.9 to 900.0	-199.9 to 999.9	
U (CC)	1	$\overline{U}CC.H$	-200 to 400	-328 to 752	
	0.1	$\overline{U}C.C.L$	-199.9 to 400.0	-199.9 to 752.0	
Platinel II	1	$\overline{P}L.t.t$	0 to 1390	32 to 2534	
RTD	Cu 50Ω	0.1	$\overline{C}U.5$	-199.9 to 200.0	-199.9 to 392.0
	Cu 100Ω	0.1	$\overline{C}U.10$	-199.9 to 200.0	-199.9 to 392.0
	JPt 100Ω	1	$\overline{J}Pt.H$	-200 to 650	-328 to 1202
		0.1	$\overline{J}Pt.L$	-199.9 to 650.0	-199.9 to 999.9
	DPT 50Ω	0.1	$\overline{d}Pt.5$	-199.9 to 600.0	-199.9 to 999.9
	DPT 100Ω	1	$\overline{d}Pt.H$	-200 to 650	-328 to 1202
		0.1	$\overline{d}Pt.L$	-199.9 to 650.0	-199.9 to 999.9
	Nickel 120Ω	1	$\overline{n}l.12$	-80 to 200	-112 to 392
Analog	Voltage	0-10V	$\overline{R}u.1$	-1999 to 9999 (Display point will be changed according to decimal point position.)	
		0-5V	$\overline{R}u.2$		
		1-5V	$\overline{R}u.3$		
		0-100mV	$\overline{R}\overline{n}.u.1$		
	Current	0-20mA	$\overline{R}\overline{n}\overline{R}.1$		
		4-20mA	$\overline{R}\overline{n}\overline{R}.2$		

When power is supplied, whole display parts flash for 1 sec. Afterwards, model name and input sensor type will be flash twice and then in enters into RUN mode.



① Whole display part



② Model type display



③ Input type display twice



④ Run mode

■ Set Value (SV) Setting

You can set the temperature to control with , , keys.
Set range is within SV low-limit value [$\downarrow$ - 5 $\downarrow$] to SV high-limit value [$\uparrow$ - 5 $\uparrow$].
Ex) In case of changing set temperature from 210°C to 250°C

①



Press any key among , , in RUN mode to enter into SV setting mode.
Last digit (10⁰ digit) on SV display part flashes.

②



Press key to move digit (10⁰ → 10¹ → 10² → 10³ → 10⁰)

③



Press , key to raise or lower the set value.

④



Press key to save the set value.
If there is no additional key operations in 3 sec., the changed SV is automatically saved.

■ Parameter Reset

Press + + to reset all parameters in memory to default value.
Set [$\downarrow$ n i t] parameter to '955' to reset all parameters.
In case password function is on, it is required to enter valid password to reset parameters.
Password is also reset.

※Condition of re-applied standby sequence for standby sequence 1, alarm latch and standby sequence 1: Power ON
Condition of re-applied standby sequence for standby sequence 2, alarm latch and standby sequence 2: Power ON,
changing set temperature, alarm temperature [A_L - 1, A_L - 2] or alarm operation [A_L - 1, A_L - 2], switching STOP mode to RUN mode.

- Photoelectric Sensors
- Fiber Optic Sensors
- Door Sensors
- Door Side Sensors
- Area Sensors
- Proximity Sensors
- Pressure Sensors
- Rotary Encoders
- Connector/Sockets
- Switching Mode Power Supplies
- Control Switches/Lamps/Buzzers
- I/O Terminal Blocks & Cables
- Stepper Motors/Drivers/Motion Controllers
- Graphic/Logic Panels
- Field Network Devices
- Laser Marking System (Fiber, CO₂, Nd: YAG)
- Laser Welding/Cutting System
- Temperature Controllers
- Temperature/Humidity Transducers
- SSRs/Power Controllers
- Counters
- Timers
- Panel Meters
- Tachometer/Pulse (Rate) Meters
- Display Units
- Sensor Controllers