



CONTROLLER TK4H-14RR

URL:<https://www.sxplc.com/controller-tk4h-14rr>

Product data sheet

Display method 4-digit 7-segment LED

Control method ON/OFF, P, PI, PD, PID

Input specification Thermocouple: K(CA), J(IC), E(CR), T(CC), B(PR), R(PR), S(PR), N(NN), C(TT), G(TT),
L(IC), U(CC), Platine II

RTD: DPt100 Ω , DPt50 Ω , JPt100 Ω , Cu100 Ω , Cu50 Ω , Nikel 120 Ω

Analog: 0-100mV, 0-5V, 1-5V, 0-10V

0-20mA, 4-20mA

Sampling cycle 50ms

Control output 1 Relay(250VAC~ 3A)

Control output 2 Relay(250VAC~ 3A)

Option input CT, Digital(DI-1/2)

Option output Alarm 1

Power supply 100-240VAC~ 50/60Hz

Protection structure IP65(front panel)

Display accuracy_RTD •At room temperature($23^{\circ}\text{C}\pm 5^{\circ}\text{C}$):(PV $\pm 0.3\%$ or $\pm 1^{\circ}\text{C}$, select the higher one)
 ± 1 -digit

•Out of room temperature:(PV $\pm 0.5\%$ or $\pm 2^{\circ}\text{C}$, select the higher one) ± 1 -digit

Display accuracy_Thermocouple •At room temperature($23^{\circ}\text{C}\pm 5^{\circ}\text{C}$):(PV $\pm 0.3\%$ or $\pm 1^{\circ}\text{C}$, select the higher one) ± 1 -digit

•Out of room temperature:(PV $\pm 0.5\%$ or $\pm 2^{\circ}\text{C}$, select the higher one) ± 1 -digit

Display accuracy_Analog •At room temperature($23^{\circ}\text{C}\pm 5^{\circ}\text{C}$): $\pm 0.3\%$ F.S. ± 1 -digit

•Out of range of room temperature: $\pm 0.5^{\circ}\text{C}\%$ F.S. ± 1 -digit

Display accuracy_CT input $\pm 5\%$ F.S. ± 1 -digit

Hysteresis(adjustable sensitivity) RTD/Thermocouples: 1 to $100^{\circ}\text{C}/^{\circ}\text{F}$ (0.1 to $100.0^{\circ}\text{C}/^{\circ}\text{F}$) variable Analog:
1 to 100-digit

Proportional band 0.1 to $999.9^{\circ}\text{C}/^{\circ}\text{F}$ (0.1 to 999.9%)

Integral time 0 to 9999 sec

Derivative time 0 to 9999 sec

Control period Relay output, SSR drive output: 0.1 to 120.0 sec Current output or SSR drive output selectable: 1.0 to 120.0 sec

Manual reset 0.0 to 100.0%

Environment_Ambient temperature -10 to 50°C, storage: -20 to 60°C

Environment_Ambient humidity 35 to 85% RH, storage: 35 to 85% RH

Insulation type Double insulation or reinforced insulation(mark: , dielectric strength between the measuring input part and the power part: 2kV)

Weight Approx. 211g(approx. 141g)

