PT-100 Temperature Control Relay

- Wide operating Supply Range 24V to 240V AC/DC.
- Two analog outputs of 0 to 10V DC.
- Sensor Fault detection (open/short) indication through LED's as well as Analog outputs.
- LED Indications for power ON and relay ON status display.
- Adjustable wide temperature range from -50°C to 300°C through DIP switches.
- Auto/Manual reset mode selectable through DIP switch.
- Relay Normal/Inversion mode selectable through DIP switch.
- High load switching capacity of output up to 10A.



Ordering Information

Cat. No.Description47A3D412-50°C to 300°C, 24V to 240V AC/DC, ±15%, 1C/O Relay O/P,
Two Analog Outputs (0-10)VDC

PT-100 Temperature Control Relay

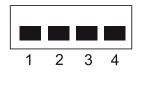


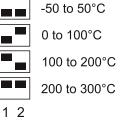
474 20412
47A3D412
24V to 240V AC/ DC (±15%)
50/60Hz
For AC <5 VA For DC approx. 1W
10 Ohm per Lead
2.6°C per Ohm
±1°C
Max 0.05°C/°C
-50°C to 50°C, 0°C to 100°C, 100°C to 200°C, 200°C to 300°C
0%-20%-40%-60%-80%-100%
2%-5%-8%-11%-14%-17%-20%
Open and Short (Relay OFF)
<500 ms
1.8 to 2 sec.
1 C/O
10A @ 250VAC / 30VDC, 4KV Isolation between Coil & Contact.
AC-15: 3A/250VAC
min 600 ms to 1 sec
(0-10) VDC ± 200 mV
(0-10) VDC ± 100 mV
easured Point output (Y1) is 12VDC.
-10°C to +55°C
-15°C to +60°C
5 to 85% RH(non-condensation)
IP 20 for terminals & IP 40 for Enclosure
2000 m
Reinforced
IEC 61000-3-2
IEC 61000-4-2
IEC 61000-4-3
IEC 61000-4-4
IEC 61000-4-4
IEC 61000-4-5
IEC 61000-4-6
IEC 61000-4-11
IEC 61000-4-29
CISPR 14-1
CISPR 14-1
IEC 60947-5-1
IEC 60947-5-1
IEC 61010-1
UL 508
UL 508
IEC 60068-2-1
IEC 60068-2-1
IEC 60068-2-2 IEC 60068-2-6
IEC 60068-2-27

PT-100 Temperature Control Relay



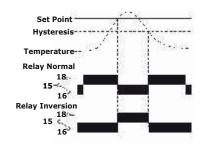
SELECTION OF TEMPERATURE RANGE & MODE



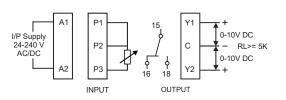




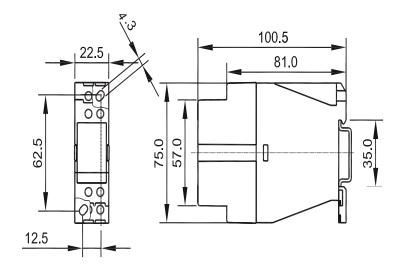
FUNCTION DIAGRAM



CONNECTION DIAGRAM



MECHANICAL DIMENSIONS



TERMINAL TORQUE & CAPACITY

Ø 3.54.0mm	0.6 N.m (5.3 Lb.in) Terminal screw - M3
	1 x 0.56mm ² Solid Wire
WG	1 x 20 to 10