



TEMPERATURE CONTROLLER MODEL 506

Features:

Microcontroller based

- ± 0.25% FS T/C & RTD inputs
- ± 0.1% FS mA & Voltage inputs
- Easy to use membrane key pad.
- Dust-proof membrane front.
- Thermocouple, RTD, Voltage or Current Input.
- ON/OFF control application.
- Furnace application.
- Chiller application.
- Two independent set points.
- Low cost.



Specifications:

Display & Key board	4 digit 0.56" seven segment LED display. Individual discrete LEDs to indicate relay status and set point selected.
Input	Universal Inputs (subject to re-calibration) RTD - PT100, 3-Wire (3-wire cancellation is automatic) Thermocouple types J, K, T, R, S (Cold junction compensation is automatic) 4-20 mA / 1-5 V DC 0-20 mA / 0-5 V DC
Input Range	RTD Pt100 -199.9 to 850.0 J Type -100.0 to 1200 K Type -100.0 to 1372 T Type -100.0 to 400 R Type 0 to 1768 S Type 0 to 1768 4-20 mA/1-5 V -1999 to 9999 (field scalable) 0-20 mA/0-5 V -1999 to 9999 (field scalable)
Accuracy	±(0.25% of FS +1 count) for T/C and RTD inputs. ±(0.1% of FS + 1 count) for mA and Voltage inputs
Control Output	Two set points for individual relay output rated for 2A @ 230 VAC. Individual hysteresis setting 0 to 100. Set point types are configurable to energize relays below or above set point.
Option	Transmitter power supply : 24V DC @ 30mA
Calibration	Zero adjustment automatic by software. CJC adjustment for T/C type input Span adjustment by trim pots at the back of the instrument.
General	Power supply : 110V or 230VAC, 50Hz (factory set for any one) 0 Ambient : 0 to 55 C Humidity : Up to 95% RH non-condensing Power Consumption : Less than 10 VA
Environmental	Front facia IP 54. Enclosure IP 20.
Physical	Depth behind panel : 135 mm maximum Bezel Size : 96 x 96 mm Panel cutout : 92 x 92 mm Terminals : Barrier terminals (Suitable for wire size of up to 4 Sq.mm)

Specifications are subject to change without notice due to continuous design improvement.

For further information/clarification send mail to info@digitalpromoters.com , digitalpromoters@gmail.com
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