



TECHNICAL HEATERS, INC.

TH900 Digital Temperature Controller

GENERAL INFORMATION

The TH900 combines easy-to-use operation with the latest temperature control advances at a competitive price. With powerful new features such as THI's new self-tuning for precise automatic control, digital communications for networking, IP66/IP65 for waterproof/dustproof protection and heater and loop break alarm capabilities to detect system failures, these controllers deliver exceptional process performance for the most demanding industrial applications.

FEATURES

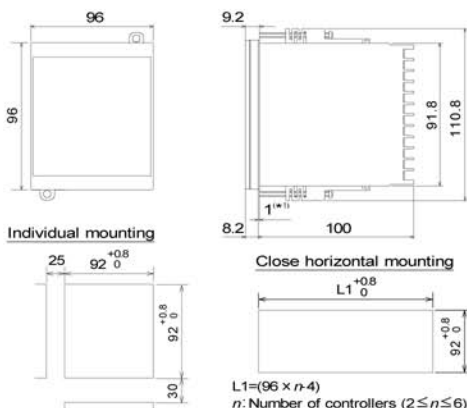
- ✱ Bright, easy-to-read LED Displays
- ✱ Advanced self-tuning
- ✱ Digital communications
- ✱ Heat /Cool action
- ✱ Heater/Loop break alarms
- ✱ Waterproof/dustproof protection

EASY-TO-READ LED DISPLAY

The CB Series features large, bright LED displays that have been designed to be easy-to-read from greater distances.



DIMENSIONS



INPUT

Input

- a) Thermocouple : K, J, R, S, B, E, T, N (JIS/IEC), PLII (NBS) W5Re/W26Re (ASTM), U, L (DIN)
 - Influence of external resistance : Approx. 0.2mV/W
 - Input break action : Up-scale
- b) RTD : Pt100 (JIS/IEC), JPt100 (JIS)
 - Influence of input lead resistance : Approx. 0.01[%/W] of reading
 - Maximum 10W per wire
 - Input break action : Up-scale
- c) DC voltage : 0 to 5V, 1 to 5V (0.0 to 100.0% fixed)
 - Input break action : Down scale
- d) DC current : 0 to 20mA, 4 to 20mA (0.0 to 100.0% fixed)
 - For DC current input, connect a 250 W resistor to the input terminals.
 - Input break action : Down-scale

Sampling Time

0.5 sec

PV Bias

Temperature input : -1999(-199.9) to 9999(999.9)°C[°F]

DC voltage, DC current : - span to +span

COMPLIANCE WITH STANDARDS

- CE Mark
- UL Recognized
- CSA Certified



• Triac trigger output type and triac output are not CE Mark, UL Recognized or CSA Certified.