



SPECIFICATIONS FOR PRO-TEMP 70 SERIES CONTROLLERS

Environmental:

All inputs and outputs are protected from electro-static discharge (ESD) and radio frequency interference (RFI). ESD protection is rated to 50,000 volts. RFI protection is rated to 15 V/M from 20 MHz to 300MHz. Operating temperature range is 34 F to 130 F, in a non-condensing atmosphere.

Outputs:

Each output point is DIP switch selectable as normally open dry contacts, normally closed dry contacts, or relay driver output. Dry contacts are rated at 750mA maximum under inductive load. The relay driver will source up to 20mA at 24 VDC. Four outputs are built-in; expansion to 12 outputs is supported. A seven-day time clock scheduler provides setpoint adjustment with up to 20 schedules per week.

Analog Inputs:

Each input point measures voltage in a range of 0 to 10 volts with a resolution of 0.005 volts. These points are directly compatible with 10K @ 25C Thermister temperature sensors (no external interface is required). Temperature range is -30 F to 230 F with a resolution of 0.1 F, and absolute accuracy of +/- 1 F. No calibration is required. Interface to temperature sensors are supported using 0 to 10 volt inputs. Seven input points are standard, expandable to 18 maximum.



Product Specifications

Enclosure:

Epoxy coated CRS metal with lockable door.
Dimensions: 8.3"W x 10.8"H x 3.5"D.
Weight: 6.5lbs

Analog Inputs:

Quantity: 4, expandable to 14
Type: Thermister
Range: -30 F to 230 F
Resolution: 0.1 F

Relay Outputs:

Quantity: 4, expandable to 12
Type: N/C, N/O or 24VDC relay driver
Contact Rating: 750mA inductive load

Power Requirements:

24 VAC at 20 VA