Thermal Edge Inc.™

DIGITAL, PROGRAMMABLE CONTROLLER

- Fully programmable
- Built in alarms and alerts
- Will operate heating & cooling
- Standard on every unit
- Ethernet, Modbus RTU and EtherNet/IP communication options

The microprocessor-based digital temperature controller performs the functions of controlling the enclosure temperature while monitoring operating limits and refrigerant pressures. Temperature and alarm status are indicated on the front panel. It also monitors the maximum and minimum temperatures within the enclosure.

The controller includes a compressor anti short-cycle time delay for compressor protection. A bypass time delay prevents nuisance alarms caused by cold weather start ups and transient high temperature limits.

If any of the critical control parameters exceed limits, the compressor is turned off and an alarm condition is indicated on the front panel. If the preset enclosure temperature limits are exceeded, the compressor continues to operate but there is a temperature limit alarm.

The temperature set point, which is the lower limit of regulation, can be adjusted within a specified range. The High Temperature alarm can be adjusted to suit customer needs within specified limits. The specified enclosure temperature is the set-point plus a differential.

NOTE: In high ambient operation (above 115°F) the set point temperature should not exceed 100°F/38°C, due to the need for compressor cooling.

UL File # SA32252

Get the Edge... Get Thermal Edge
Temperature Control Solutions for Electrical Enclosures
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5-YEAR WARRANTY