

465 ELECTRONIC CONTROLLER FOR HEAT TRACING OF FIRE PROTECTION PIPING



nVent Raychem 465 controller is a c-UL-us listed controller designed to freeze protect the fire sprinkler and fire protection piping per UL515A. This controller, as a part of the c-UL-us listed Raychem electric heat tracing system, provides an energy efficient, low installation cost and faster response solution than alternate methods such as dry systems or glycol systems.

FEATURES & BENEFITS

Simple and fast to install and operate with colored touchscreen for easy navigation

Advanced features such as High Temperature cut-out which eliminates the need for 2nd thermostat on sprigs and reduces installation costs

Built-in ground fault protection functionality evaluated per UL1053 standard. Easily adjustable ground fault alarm and trip settings

Flexible and intuitive set-up reduces set-up time

USB port for firmware updates, download monitoring reports and remote battery powered setup

Built-in Form C Alarm relay with flexible set up for Normally Open/Normally Closed operation

Energy efficient proportional ambient sensing control mode (PASC)

SPECIFICATIONS

Supply Voltage 120 – 277 V

Ambient Temperature 0 – 40 °C

Controller Temperature Setting 0 – 80 °C

Output Relay 24 A @ 120/208/240/277 +/-10% VAC: 50/60 Hz

Alarm Relay Single Pole Single Throw Relay, Volt-free: Maximum Switching Capacity:1 A @ 24 VDC, 1 A @ 24 VAC

Temperature Alarm -40 to 88 °C

Ground Fault Alarm 20 – 200 mA

Circuit Breaker 30 A, Maximum

Power Consumption, Standby 9 W

Sensor Type Thermistor 2KΩ @ 77°F (25°C), 2-wire

Sensor Temperature Range -40 to 90 °C

Sensor Tip Diameter 5 mm

Sensor Cable Length 3 m

NEMA Rating 12

Enclosure Material Polycarbonate

Mounting DIN Rail

Table 1/1

Catalog Number	Item Name	Height	Width	Depth
P000002339	465 Controller	90 mm	210 mm	85 mm

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