

# 460 Electronic Controller

nVent Raychem 460 controller is a c-UL-us listed controller designed for pipe heat tracing applications.



## FEATURES

- Simple and fast to install and operate with colored touchscreen for easy navigation
- Advanced features such as High Temperature cut-out, Autocycle, Event logs for safe and efficient operation
- 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

Table 1/4						
Catalog Number	Item Name	Supply Voltage	Ambient Temperature	Controller Temperature Setting	Output Relay	Alarm Relay
P000002338	460 Controller	120 – 277 V	32 – 105 °F	32 – 176 °F	24 A @ 120/208/240/277 +/-10% VAC: 50/60 Hz	Single Pole Single Throw Relay, Volt-free: Maximum Switching Capacity:1 A @ 24 VDC, 1 A @ 24 VAC

Table 2/4

Catalog Number	Item Name	Temperature Alarm	Ground Fault Alarm	Circuit Breaker	Power Consumption, Standby	Sensor Type
P000002338	460 Controller	32 – 190 °F	20 – 200 mA	30 A, Maximum	9 W	Thermistor 2KΩ @ 77°F (25°C), 2-wire

Table 3/4

Catalog Number	Item Name	Sensor Temperature Range	Sensor Tip Diameter	Sensor Cable Length	NEMA Rating	Enclosure Material
P000002338	460 Controller	–40 to 194 °F	0.2 in	10 ft	12	Polycarbonate

Table 4/4

Catalog Number	Item Name	Mounting	Height	Width	Depth
P000002338	460 Controller	DIN Rail	3.5 in	8.26 in	3.34 in

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

### North America

Tel +1.800.545.6258

Fax +1.800.527.5703

[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

### Europe, Middle East, Africa

Tel +32.16.213.511

Fax +32.16.213.604

[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

### Asia Pacific

Tel +86.21.2412.1688

Fax +86.21.5426.3167

[cn.thermal.info@nvent.com](mailto:cn.thermal.info@nvent.com)

### Latin America

Tel +1.713.868.4800

Fax +1.713.868.2333

[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

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