

# Raystat-V5 Control Unit



nVent RAYCHEM RAYSTAT V5 is an electronic line sensing or proportional ambient sensing (PASC) controller for self-regulating heating cables. Wall mountable for outdoor location, it measures ambient temperature and determines the cycle time when the heating cables will be energized, resulting in very significant energy savings.

## FEATURES

Easy set-up and programming

Flexible temperature control for pipe temperature line sensing or ambient temperature sensing

Proportional ambient sensing control (PASC) algorithm for enhanced energy savings in ambient sensing mode

Alarm relay with change over contact to signal power, temperature or communication problems

Pipe temperature monitoring, with high and low temperature alarm

Offsite configurable: can be set up prior to final installation

Reliable during long life: 6 year extended product warranty available

## SPECIFICATIONS

Table 1/3

| Catalog Number | Item Name  | Supply Voltage | Output Relay   | Alarm Relay                                  | Temperature Range, Ambient Sensing | Temperature Range, Line Sensing |
|----------------|------------|----------------|----------------|----------------------------------------------|------------------------------------|---------------------------------|
| 1244-022440    | RAYSTAT-V5 | 180 – 253 V    | 25 A @ 230 VAC | Single Pole Double Throw Relay, Voltage-free | 0 – 30 °C                          | 0 – 90 °C                       |

Table 2/3

| Catalog Number | Item Name | Sensor Type | Sensor Cable Length | IP Rating | Mounting | Height |
|----------------|-----------|-------------|---------------------|-----------|----------|--------|
|----------------|-----------|-------------|---------------------|-----------|----------|--------|

|             |            |                         |     |      |                       |        |
|-------------|------------|-------------------------|-----|------|-----------------------|--------|
| 1244-022440 | RAYSTAT-V5 | NTC, 2K $\Omega$ @ 25°C | 5 m | IP65 | Wall Mounted/DIN Rail | 110 mm |
|-------------|------------|-------------------------|-----|------|-----------------------|--------|

Table 3/3

| Catalog Number | Item Name  | Width  | Depth |
|----------------|------------|--------|-------|
| 1244-022440    | RAYSTAT-V5 | 210 mm | 85 mm |

## ADDITIONAL PRODUCT DETAILS

Max Temperature Range, Line Sensing can be extended to 250° using the Raystat-V5 Plug-in Sensor Module and PT100 sensor

## 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.

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