

# ETS-05 Electronic Thermostat



nVent RAYCHEM ETS-05 hazardous area electronic surface sensing thermostats provide accurate temperature control for heating cables. The ETS-05 is available as an Ambient sensing thermostat and as line sensing thermostat. The ETS-05-L is adjustable to 199 °C, ETS-05-H up to 499 °C. ETS-05 has a LED to indicate status of the thermostat, heating cable and sensor. The ETS-05 is available with an alarm relay for remote monitoring.

## FEATURES

Simple to install and operate

Temperature set by digital rotary switches inside the enclosure

PT100 sensor supplied with 2m cable

Available with earth plate

Alarm relay optional

## SPECIFICATIONS

|                         |                                |
|-------------------------|--------------------------------|
| <b>Thermostat Type:</b> | Electronic Thermostat          |
| <b>Material:</b>        | Glass Fiber Reinforced Polymer |
| <b>IP Rating:</b>       | IP66                           |

Table 1/2

| Catalog Number | Item Name   | Controller Temperature Setting | Max Measuring Range | Height | Width  | Depth  |
|----------------|-------------|--------------------------------|---------------------|--------|--------|--------|
| 1244-014367    | ETS-05-L2-E | 0 – 199 °C                     | 260 °C              | 90 mm  | 120 mm | 120 mm |
| 1244-014368    | ETS-05-H2-E | 0 – 499 °C                     | 585 °C              | 90 mm  | 120 mm | 120 mm |
| 1244-015658    | ETS-05-L1-J | 0 – 199 °C                     | 260 °C              | 90 mm  | 120 mm | 120 mm |
| 1244-015659    | ETS-05-H1-J | 0 – 499 °C                     | 585 °C              | 90 mm  | 120 mm | 120 mm |

| CatalogNumber | Item Name       | Controller Temperature Setting | Max Measuring Range | Height | Width  | Depth  |
|---------------|-----------------|--------------------------------|---------------------|--------|--------|--------|
| 1244-017508   | ETS-05-L2-EP    | 0 – 199 °C                     | 260 °C              | 90 mm  | 120 mm | 120 mm |
| 1244-017509   | ETS-05-H2-EP    | 0 – 499 °C                     | 585 °C              | 90 mm  | 120 mm | 120 mm |
| 1244-022311   | ETS-05-A2-E     | 0 – 49 °C                      | 260 °C              | 90 mm  | 120 mm | 120 mm |
| 1244-022663   | ETS-05-A2-E-A   | 0 – 49 °C                      | 260 °C              | 150 mm | 120 mm | 120 mm |
| 1244-022669   | ETS-05-L2-EP-A  | 0 – 199 °C                     | 260 °C              | 150 mm | 120 mm | 120 mm |
| 1244-022670   | ETS-05-H2-EP-A  | 0 – 499 °C                     | 585 °C              | 150 mm | 120 mm | 120 mm |
| 1244-022680   | ETS-05-H2R-EP-A | 0 – 499 °C                     | 585 °C              | 150 mm | 120 mm | 120 mm |
| 1244-022675   | ETS-05-H2R-E-A  | 0 – 499 °C                     | 585 °C              | 150 mm | 120 mm | 120 mm |

Table 2/2

| Catalog Number | Item Name     | Earth Plate Included | Alarm Relay |
|----------------|---------------|----------------------|-------------|
| 1244-014367    | ETS-05-L2-E   | No                   | No          |
| 1244-014368    | ETS-05-H2-E   | No                   | No          |
| 1244-015658    | ETS-05-L1-J   | No                   | No          |
| 1244-015659    | ETS-05-H1-J   | No                   | No          |
| 1244-017508    | ETS-05-L2-EP  | Yes                  | No          |
| 1244-017509    | ETS-05-H2-EP  | Yes                  | No          |
| 1244-022311    | ETS-05-A2-E   | No                   | No          |
| 1244-022663    | ETS-05-A2-E-A | No                   | Yes         |

| Catalog Number | Item Name       | Earth Plate Included | Alarm Relay |
|----------------|-----------------|----------------------|-------------|
| 1244-022669    | ETS-05-L2-EP-A  | Yes                  | Yes         |
| 1244-022670    | ETS-05-H2-EP-A  | Yes                  | Yes         |
| 1244-022680    | ETS-05-H2R-EP-A | Yes                  | Yes         |
| 1244-022675    | ETS-05-H2R-E-A  | No                   | Yes         |

## 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)

Our powerful portfolio of brands:

**RAYCHEM PYROTENAX TRACER NUHEAT**