

# HWAT-ECO Electronic Control Unit



nVent RAYCHEM HWAT-ECO is an energy efficient control and monitoring unit for nVent RAYCHEM HWAT self-regulating single pipe hot water systems. It provides flexible temperature control and additional energy savings, with integrated functions that lower the maintain temperature during low use periods.

## FEATURES

Energy saving: additional savings up to 21%

Energy saving: 7 specific building type programs with typical 'on' and 'off' modes for these buildings, integrated clock function to define 'on' and 'off' times

Easy to connect and to operate: large, colored touch screen

Pre-set up in power-off mode by external power bank/charger via USB connection

In-wall or panel mounted

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

## SPECIFICATIONS

Table 1/3

| Catalog Number | Item Name   | Mounting              | Voltage AC | Display               | Enclosure     | Max Exposure Temperature |
|----------------|-------------|-----------------------|------------|-----------------------|---------------|--------------------------|
| 1244-019897    | HWAT-ECO-V5 | Wall Mounted/DIN Rail | 230 V      | 5" Color Touch Screen | Polycarbonate | 40 °C                    |

Table 2/3

| Catalog Number | Item Name   | Pipe Sensor | Boiler Sensor | Function                        | Alarm Signal, Potential Free | Self Diagnostic Feature |
|----------------|-------------|-------------|---------------|---------------------------------|------------------------------|-------------------------|
| 1244-019897    | HWAT-ECO-V5 | Yes         | Yes           | Hotwater Temperature Maintanace | 2 A: 24 VAC/VDC              | Yes                     |

Table 3/3

| Catalog Number | Item Name   | Built-In Ground Fault Protection | Height | Depth | Length |
|----------------|-------------|----------------------------------|--------|-------|--------|
| 1244-019897    | HWAT-ECO-V5 | No                               | 110 mm | 85 mm | 210 mm |

## 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**