

# HWAT-T50 Thermostat



nVent RAYCHEM HWAT-T50 is an energy efficient thermostat for use in nVent RAYCHEM HWAT self-regulating single pipe hot water systems, in small pipe networks or for branch lines.

## FEATURES

Simple to install and operate: digital display for temperature and alarm, wall mountable

Energy saving: 3 operating modes ON/ECO/OFF; integrated clock and energy savings (ECO) for off-peak usage

System monitoring through high temperature alarm: if a temperature over 70 °C is measured, the system will be switched off to avoid scalding and calcification

System monitoring through low temperature alarm: to avoid unnecessary energy consumption when hot water storage problems occur

Reliable during long life: maintenance free

## SPECIFICATIONS

Table 1/3

Catalog Number	Item Name	Supply Voltage	Controller Temperature Setting	Controller Default Temperature Setting	Controller Switching Capacity	Temperature Range, Line Sensing
3000-4789	HWAT-T50-C	180 – 253 V	37 – 65 °C	50 °C	Max 16 A @ 230 VAC	0 – 70 °C

Table 2/3

Catalog Number	Item Name	Hysteresis/Differential	Max Terminal Size	IP Rating	Ambient Temperature	Sensor Type
3000-4789	HWAT-T50-C	+/-2°C with Line Sensor	2.5 mm <sup>2</sup>	IP21	0 – 40 °C	NTC, 10KΩ @ 25°C

Table 3/3

Catalog Number	Item Name	Sensor Cable Length	Sensor Cable Diameter
3000-4789	HWAT-T50-C	3 m	4 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.

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