

# Electronic Thermostat / Hygrostat, ETF300



This adjustable thermostat and hygrostat, ETF300 and ETF300120, with either a normally open (NO) or normally closed (NC) contact, manages both relative humidity and temperature. It is used to control installed devices, such as a fan heater, to turn on or off at the required humidity and temperature levels, that are set by the user. The result is elimination of water condensation at a reduced operational cost.

## INDUSTRY STANDARDS

cULus\_UL

CE

EAC

## FEATURES

Connection: Pole terminal for 2.5 mm<sup>2</sup>.

Service life: 50,000 cycles.

Setting range for ETF300: 0 °C to +60 °C and 40 to 90% R.H.

Setting range for ETF300120: +32 °F to +140 °F and 40 to 90% R.H.

Operating temperature: -20 °C to +60 °C.

Pack quantity: 1 piece.

Switch capacity: 240 V AC, 8(3) A. 120 V AC, 8(3) A. 24 V DC, 4 A. Value in brackets for inductive load.

Description: Electronic hygrostat-thermostat monitors the relative humidity and the temperature independently of each other, and it manages heaters and filter fans to prevent condensation and corrosion inside the enclosure. Mounting clip for 35 mm DIN rail (EN 60715).

Approvals: CE, EAC, cULus\_UL Listed.

Protection: IP 20.

Material: Plastic according to UL94 V-0.

Finish: RAL 7035.

The installed devices, such as fan heaters, automatically turn on or off when they are required, which reduces the operational cost of the control panel.

Customers can adjust the required humidity and temperature, which means it can be installed in any enclosure, and is not dependant on the other installed components or equipment

The reliable thermostat and hygrostat manages both the relative humidity and temperature within the enclosure, preventing water condensation from occurring.

Frequency (Hz): 50/60

SPECIFICATIONS

| Table 1/1      |        |       |       |          |        |            |
|----------------|--------|-------|-------|----------|--------|------------|
| Catalog Number | Height | Width | Depth | Material | Finish | Color      |
| ETF300120      | 83mm   | 59mm  | 45mm  | Plastic  | Smooth | Light Gray |
| ETF300         | 83mm   | 59mm  | 45mm  | Plastic  | Smooth | Light Gray |

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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