

# Mechanical Hygrostat



The Mechanical Hygrostat controls relative air humidity inside an enclosure to prevent condensation and corrosion that can damage components. It can also be connected to an enclosure heater, cooling fans, warning lights or other devices. The critical relative humidity (RH) level for most components is 65 percent. Above 65 percent RH, condensation can form and cause electronic equipment to malfunction.

## INDUSTRY STANDARDS

cURus; File No. E164102

CE

## FEATURES

Adjustable relative humidity range

High switching capacity

Long service life (>100,000 cycles)

Maximum permissible air velocity of 50 feet/sec. (15 m/s)

Maximum switching voltage = 250 VAC 250 V should be switched only in a non-condensing environment

Change-over contact

Mounting clip for 35-mm DIN rail

Connection is a 3-pole terminal for AWG 14 max. (2.5-mm squared)

Contact resistance less than 10 mΩ

## SPECIFICATIONS

Table 1/1

Catalog Number	Article Number	Width	Depth	Material	Finish	Color
AMHUM	16448	50mm	38mm	Plastic	Smooth Matte	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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