

Room Humidistats

Features



- Single or 2-stage versions available

Specification

Switch rating (resistive):	
Humidify	2A @ 250Vac
Dehumidify	5A @ 250Vac
Stage differential	2-15%RH
Differential	4%RH
Accuracy	Approx. 3%RH
Operating range	35-100%RH
Housing material	ABS
Dimensions	115 x 35 x 70mm
Protection	IP20
Ambient range	-10 to +65°C
Installation category	IEC 664 category II
Pollution degree	IEC 664 degree I
Country of origin	Italy

Product Codes

RH-SH-1R	Single stage humidistat with concealed adjustment
RH-SH-1RE	Single stage humidistat with exposed adjustment
RH-SH-2R	Dual stage humidistat with concealed adjustment

Technical Overview

The RH-SH-xR range of humidistats are designed for wall mounting for the ON/OFF control of humidification and dehumidification equipment, or the initiation of alarms or over-ride controls. High quality sensing elements ensure accurate measurement and switching differential.

Installation

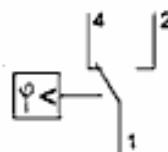
1. The RH-SH-xR should only be installed by a competent, suitably trained technician, experienced in installation with hazardous voltages. (>50Vac & <1000Vac or >75Vdc & 1500Vdc)
2. Ensure that all power is disconnected before carrying out any work on the RH-SH-xR.
3. Select a location in the occupied space where contaminants are at a minimum, and which will give a representative sample of the prevailing condition.
4. Undo the tamperproof screw at the bottom of the housing and gently pull the front panel from the base.
5. Using the base as a template mark the hole centres and fix to the wall with suitable screws.
6. Feed cable through the knockout in the base of the housing and terminate the cores at the terminal block, leaving some slack inside the unit.
7. Replace the housing to the base plate, and fit the tamperproof screw at the bottom of the base plate.

Warning

The measurement location of the humidity controller should be selected so that no water can condense on or in the device. This applies particularly for operation with voltage higher than 48V. Failure to comply with this can result in damage to the controller.

Connections

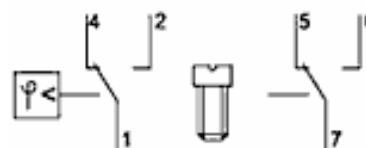
Single stage:



1	Common
2	N/O
4	N/C

The contact 1-2 closes and 1-4 opens when the relative humidity drops below the setpoint.

Dual stage:



1	Common
4 & 5	N/C
2 & 6	N/O

Contacts 1-2 & 6-7 close and the contacts 1-4 & 7-5 open when the relative air humidity drops below the setpoint.

Dimensions

