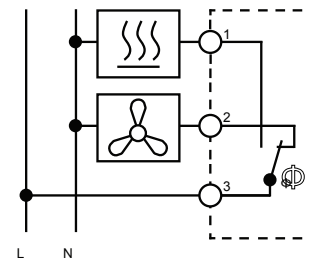
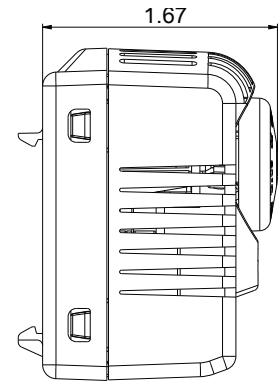
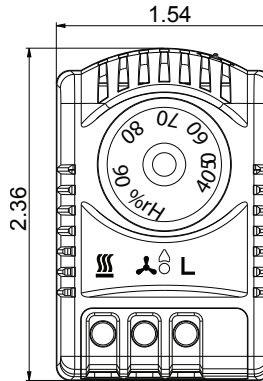




# MECHANICAL HYGROSTAT

SCE-HYGRO

⚠ Electronic Hygrostat on page 2



Switching Capacity		
	Humidifying	24 VAC - 230 VAC / 2 (.02) A, @24 V min. 100 mA
	Dehumidifying	24 VAC - 230 VAC / 5 (.02) A, @24 V min. 100 mA
Sensor		PA band, Type 1C
Degree of Pollution		2
IP Protection		IP 30
Rated Impulse Voltage		4000 V
Weight		~50 g / ~1.76 oz.

Control Range	40 - 90% RH
Switching Difference	~ 5%
Switching Point Fidelity (related to 50% RH)	± 4%
Contact	Changeover
Max Admissible Air Moisture (non-condensing)	95% RH

**Operating Temperature:** 32°F – 140°F  
**Storage Temperature:** -4°F – 176°F  
**Connection:** 0.5 – 2.5mm<sup>2</sup> / 14 – 20 AWG  
**Housing Material:** Plastic UL94V-2

## Safety Information

This component must be installed/ serviced by qualified personnel complying with the relevant safety regulations in force and in accordance with the wiring diagram shown in this manual. Ensure manuals are kept in a secure place accessible to servicing/installing personnel.

## Application

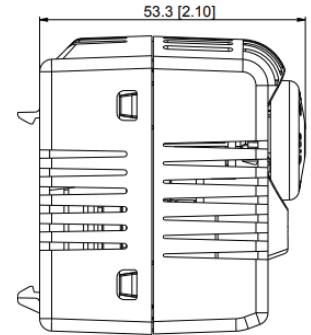
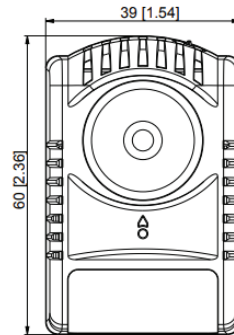
The Hygrostat described herein has been specially devised for the control and supervision of the humidity that prevails in control cabinets and electrical enclosures. The Hygrostat can be installed on DIN EN 60715 compliant rails. It can be installed in any position.

## Functional Description

The control cabinet Hygrostat described here is a changeover contact type and can be used both for humidifying and dehumidifying. The setting of the switch point is effected manually.

# ELECTRONIC HYGROSTAT

SCE-TEHYGRO

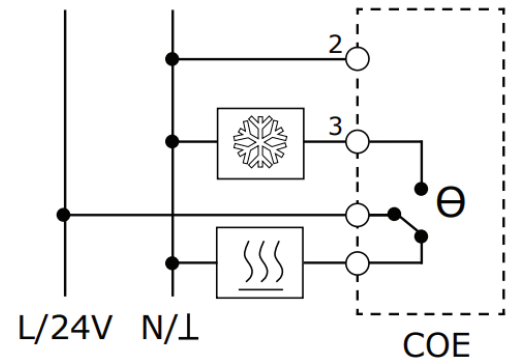


## Safety Information

These components must be installed / serviced by qualified personnel complying with the relevant safety regulations in force and in accordance with the wiring diagram shown on the housing / represented in this manual. Ensure manuals are kept in a secure place accessible to servicing / installing personnel.

## Device description

These devices have been designed specifically for electrical enclosure temperature/humidity control.



Control Range	
DC HYGROSTAT (%r.H.)	30 - 90 %, 24 V DC

Switching capacity	16 A, resistive load
Hysteresis	3K / 5%
Switching tolerance	±5K / 10%
Rate of temperature change	max. 1K/min.

## Installation

The devices have been designed for installation on a DIN EN 60715 compliant rail.

For correct operation note the following:

- Device must be mounted VERTICALLY (do not mount in any other position)
- Device must be mounted with a minimum of 30mm clearance around it to avoid covering of the ventilation slots.
- Device must be mounted as far as possible from heat generating components.

Knob Color	Type
Orange	Electronic adjustable hygrostat

**Connection:** 0.5 - 2.5 mm<sup>2</sup> / 14 - 20 AWG screw terminal, Housing Material: Plastic UL94V-2

**NOTE:** To prevent damage to the contacts caused by rapid switching, the device has a minimum ON time and minimum OFF time of 2 to 3 minutes.