

DEW POINT SWITCH

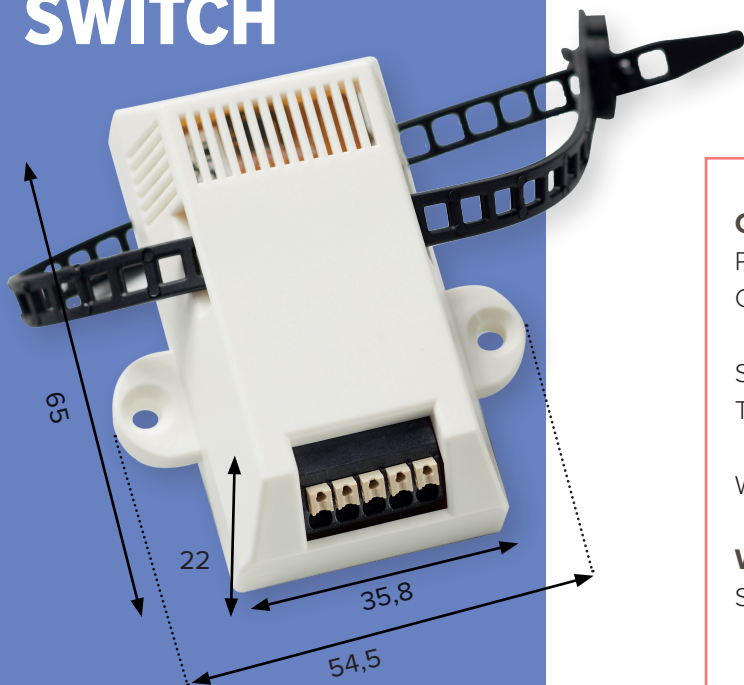
Condensation detector

APPLICATION

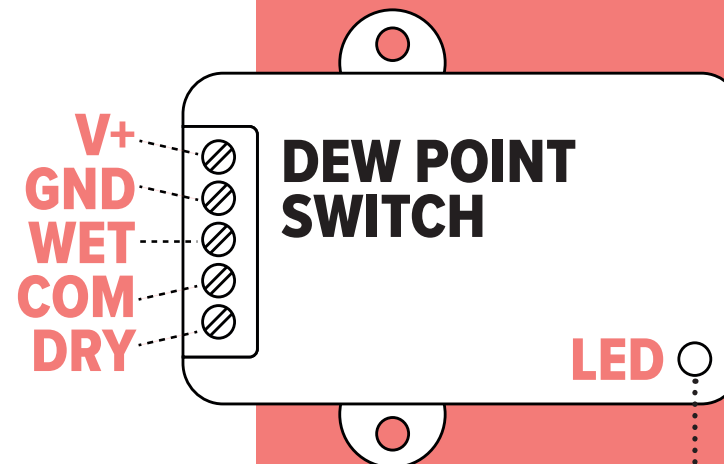
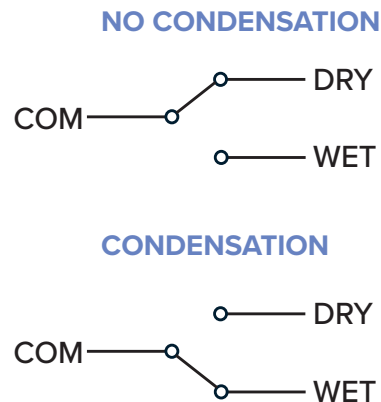
The dew point switch sends an early-warning signal before dew point is reached which can be used to control condensation in critical environments. This is achieved by a quick and accurate response in monitoring relative humidity in combination with temperature.

Status LED light indicates condensation warning as 90% threshold is reached, as well as potential electronic failure with the device. The condensation prevention sensor can be mounted onto pipes or flat surfaces.

DEW POINT SWITCH



SWITCH POINTS	Dry to Wet: >90% +/-3 Wet to Dry: <85% +/-3
HYSTERESIS	5%
RESPONSE TIME t_{63}	<25s Relative Humidity <3min Temperature



STATUS INDICATION
LED continuous: RH <90%
LED blinking: Condensation danger

Specifications

GENERAL

Power supply	24V AC/DC +/-20%
Current consumption	@24V AC: <20mA @24V DC: <14mA
Switching capacity	max 24V AC/DC, 1A
Temperature range	-20 to 70°C storage 0 to 50°C operation
Working range RH	0...100% RH, Non Condensing

WIRING CONNECTIONS

Spring-loaded push in connector, max 1,5 mm²

ENCLOSURE

Material	PC UL 94 V2 Approved
Protection	IP40

MOUNTING

Flat on surface (screwed)
Pipe max Ø50mm (strapped)

APPROVALS

RoHS, REACH, CE