

New

Condensation sensor with adjustable relay

The QH.CS is a cost-effective dew point monitor designed to protect chilled ceilings against condensation. The device controls a servo motor that interrupts the chilled water flow or increases the chilled water temperature as soon as condensation is likely to occur. The condensation sensor is available with an integrated sensor (type QH.CS) or with an external sensor (type QH.CS.02).

The resistance of the condensation sensor decreases as relative humidity increases and, via a latching relay, switches a changeover contact when the dew point is reached.

The switching point can be precisely adjusted using a potentiometer. In the non-activated state, contact C-NO is closed and C-NC is open when the power supply is present.

The green LED is illuminated. When the relay switches due to moisture, the red "Active" LED on the PCB lights up.

Technical specifications

Power supply	18 – 30 V (AC/DC)
Power consumption	42 mA (DC), 100 mA (AC)
Relay output (changeover contact)	1 A, 24 V (AC/DC)
Ambient temperature	0 – 50 °C
Enclosure protection class	IP65
Sensor cable QH.CS.02	2 x 0,75 mm ² , length 2 m
Cable entry	1 x M16 (QH.CS), 2 x M16 (QH.CS.02)



- ✓ Adjustable relay output
- ✓ Status indication via LED
- ✓ Fast wiring via screw-on cover
- ✓ Tool-free removable spring terminals
- ✓ Aluminium condensation sensor strip for fast response time

Is this the right solution for your project?

Feel free to contact us.
Our experts will help you
make the right choice.