

Condensation Sensor

Condensation sensor with LED signal. Designed to provide a switched output signal to prevent condensation on chilled surfaces such as chilled beams. Also available with a 6 ft / 2 m remote probe cable sensor. NEMA 4X / IP65 rated enclosure.


Type Overview

Type	Output signal condensation detector switch	Additional features
22HH-100X	Changeover	External sensor

Technical Data

Electrical data	Power Supply DC	15...24 V, $\pm 10\%$, 0.8 W
	Power Supply AC	24 V, $\pm 10\%$, 1.6 VA
	Electrical connection	Removable spring loaded terminal block max. 2.5 mm ²
	Cable entry	cable gland PG11 Ø6...10 mm, with strain relief Ø6...8 mm
Functional data	Output signal switch note	changeover contact, isolated; max. 24 V / 1.0 A (resistive)
	Display	LED, Green - power supply OK Red - dew permeation
	Media	Water
Measuring data	Measured values	Humidity
Materials	Cable gland	PA6, black
	Housing	Cover: Lexan, Belimo orange NCS S0580-Y6OR Bottom: Lexan, Belimo orange NCS S0580-Y6OR Seal: 0467 NBR70, black
Safety data	Ambient humidity	85% r.h., non-condensing
	Ambient Temperature	-20...50 °C [-5...122 °F]
	Protection class IEC/EN	III Protective extra-low voltage (PELV)
	Protection class UL	UL Class 2 Supply
	EU Conformity	CE Marking
	Certification IEC/EN	IEC/EN 60730-1
	Certification UL	pending
	Degree of protection IEC/EN	IP65
	Degree of protection NEMA/UL	NEMA 4X
	Quality Standard	ISO 9001

Dimensions
