

Features & Benefits

- Microcontroller based for reliable condensation prevention control
- Switches its output at the actual dewpoint
- Adjustable switching point
- LED indication

Technical Overview

Sontay's range of condensation prevention and detection devices are designed to provide a switched output signal to detect or even prevent the onset of condensation on chilled surfaces such as chilled beams. All devices come with 2m cable length and are mounted to chilled surfaces using screws or heavy-duty nylon straps. The WD-CPS Condensation Prevention Sensor provides the closest safeguard of condensation as it calculates the actual dewpoint based on the ambient relative humidity and the temperature of the surface. The user can even adjust the switching point within a range of $\pm 3^{\circ}\text{C}$ of the dewpoint. It also outputs the measured level condensation using a 4-20mA control signal and gives additional LED indication on its status.

Specification

Cable Dimensions	2 meters
Current Output	Dry<3mA, wet>12mA
Dimensions	73 x 48 x 30mm
Gross Weight (kg)	0.22
Mounting Plate	Stainless steel
Power Supply	24Vdc $\pm 5\%$ or 24Vac $\pm 10\%$
VFC Output	24Vac/dc @ 1A resistive SPDT
Weight	80g

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Related Product Codes

WD-CPS	Condensation Prevention Sensor 2m Lead
WD-CPS-5M	Condensation Prevention Sensor 5m Lead