



Automatikprodukter

PRESS-RELEASE

END OF WATER DROPS FROM CHILLED BEAMS

Everyone has probably experienced water drops from chilled beams.

Automatikprodukter, Sweden now launch a new condensation detector with early condensation warnings to solve a known moisture problem and prevent "indoor rain" from occurring.

Chilled ceilings are becoming more and more common in commercial buildings. By ordinary climatic conditions the operating temperature of the chilled ceiling may be close to the dew point with a potential danger of giving rise to water drops.

The new condensation guard WCD senses the danger of dew a short time before this occurs and reduces or shuts off the cooling water supply to the chilled ceiling.

The closer to the dew point the cooling water temperature can be, the better for the energy efficiency. The chilled beams can be made smaller.

New in the WCD condensation monitor is that it includes a humidity sensor and there is also a temperature sensor in order to calculate the dewpoint which based on both variables RH and T.

When dew starts to build on this element the electrical resistance increases rapidly.

The detector also emits an alarm at the onset of dew.

The condensation monitor has either a VFC (Volt Free Contact) or a current output and is mounted in a small housing that can be attached to the cooled surface to be measured.

The detector comes with a strap for easy mounting on the coolest position of the chilled ceiling.

It may also be screwed on to the chilled ceiling's water supply unit.

The condensation monitor is a reasonable monitoring solution that can be used to prevent condensation damages to chilled ceilings from occurring.

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