

Data Sheet WFRRN-240.018

Article number: D4780587

Dew point monitor, 24 VAC/VDC, changeover contact

Electronic dew point monitor with standard rail mounting for detecting and reporting the dew point. If the dew point sensor (TPS 1, 2, 3) is installed correctly, it prevents dripping condensation from the cooled parts of the cooling circuit. For this purpose, a dew point sensor located at a suitable point on the cooling circuit is evaluated and a potential-free changeover contact is switched over in the event of condensation. This contact can be used for direct interruption of cooling or for indirect interruption of cooling by signaling to a building management system. If the optimum installation location cannot be clearly defined, it is possible to connect up to 5 dew point sensors to the monitor in parallel. The activated function "Cooling interruption due to dew point triggering" is indicated by a red lamp on the device. The switching point is fixed at approx. 98 % r.H.



Number of outputs	2
Output signal	switching
Operating voltage	24 VAC, 50 Hz / 24 VDC
Relative humidity setting range	98 %
Electric connection	screw terminals
Colour	light grey
RAL colour number (similar)	7035
Bearing temperature	-20 ... 70 °C

Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic PC
Max. switching voltage	48 VAC, 50 Hz / 60 VDC
Max. switching current	10 (3) A (230 VAC), 10 A (30 VDC), 1 A (60 VDC)
Medium	Air
Min. switching current	depending on switch. voltage (min. 0.3 W)
Mounting/attachment	on supporting rails (35 mm), EN 60715
Surface finish	matt
Switching difference, can be adjusted	No
Switching element	relay
Switching contact	two-way contact
Potential free switching contact	Yes
Protection class	IP20
Protection class	III
Safety and EMC	in accordance with DIN EN 60730
Ambient temperature	0 ... 55 °C
Dimensions (W x H x D)	36 mm x 86 mm x 62,5 mm



