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ELECTRONIC HYGROSTAT - EFL 012

EFL

01245.2-00
Electronic hydrostat EFL 012



- Large setting range
- Small hysteresis
- Optical operating display (LED)
- Change-over contact
- Signal application

PRODUCT DESCRIPTION

The electronic hygrostat measures the surrounding relative humidity and can switch a signal current via its internal relay with a potential-free change-over contact. Signal-processing devices can be controlled directly with the EFL 012. In order to control heating and cooling equipment, filter fans and signal devices the switch module SM 010 or a similar device is needed.
The LED integrated in the adjustment knob shows the closed status of the contact 1-2. When relative humidity drops contact 1-2 opens and the LED turns off. In currentless state (no supply voltage) contact 1-2 opens.

TECHNICAL DATA

GENERAL DATA

Control range humidity from	40 % RF
Control range humidity to	90 % RF
Hysteresis humidity	5% RH @ +25°C, 50% RH
Mounting	Clip on, DIN rail
Contact type	Changeover (SPDT)
Colour	Light grey

RATED OPERATING CONDITIONS

Breaking capacity	DC 10mW (at 0.1V, 100mA or 1mA, 10V)
Connection type	5-pole terminal
Operational temperature	0 °C ... +60°C
Storage temperature	-20°C ... +70°C
Life span	> 100,000 cycles
Operating humidity	< 90% RH

Humidity storage	<90% RH

DIMENSIONS

Height	64.5 mm
Width	42 mm
Depth	38 mm
Weight	0.07 kg
Material of body	Plastic

SAFETY & APPROVALS

IP class	IP20
Approvals	CE, cULus, EAC, RoHS, UL, UL E164102



