

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

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

RATED OPERATING CONDITIONS

Operational temperature	0 °C ... +60°C
Connection type	5-pole terminal
Storage temperature	-20°C ... +70°C
Life span	> 100,000 cycles

Humidity storage	<90% RH
Operating humidity	< 90% RH
Breaking capacity	DC 10mW (at 0.1V, 100mA or 1mA, 10V)

DIMENSIONS

Weight	0,07 kg
Depth	38 mm
Width	42 mm
Material of body	Plastic
Height	64,5 mm

SAFETY & APPROVALS

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

