

**ELECTRONIC HYGROTHERM WITH
EXTERNAL SENSOR - ETF 012**

ETF

01231.1-00
ETF 012 Hygro, 0...60°C, 50...90% RH, change over,
24-48V dc - 1m cable

- Temperature and humidity regulation
- LED indication of active values
- External sensor
- 1 or 2 m cable
- Wide voltage range

**PRODUCT DESCRIPTION**

This electronic hygrotherm measures both humidity and temperature and switches a relay contact to control a heater or fan when one of the set values is reached.

This model has the option of either a 1 or 2 m long external sensor, so it can be mounted in the best position within larger enclosures.

LED's indication is clearly visible behind each setting knob, indicate when the output is active.

TECHNICAL DATA**GENERAL DATA**

Mounting	Clip on, DIN rail
Contact type	Changeover (SPDT)
Hysteresis humidity	4% RH @ +25°C, 50% RH
Control range humidity to	90 % RH
Control range temperature to	60 °C
Colour	Light grey
Hysteresis temperature	2K @ +25°C, 50% RH
Control range humidity from	50 % RH
Control range temperature from	0 °C

RATED OPERATING CONDITIONS

Operational temperature	-40°C ... +60°C
Inrush max	30 A
Voltage max	60 V dc
Connection type	5-pole terminal
Voltage min	20 V dc
Storage temperature	-40°C ... +60°C
Life span	VDE: NO/NC > 15,000 cycles, UL: NO/NC > 30,000 cycles
Humidity storage	<90% RH
Operating humidity	< 90% RH
Contact resistance	<10 mΩ
Breaking capacity	Resistive load: 240 V AC 10 (1,6) A, inductive load, $\cos\phi=0,6$: 240 V AC 3 A, 120 V AC 3 A. 24 V DC 4 A

DIMENSIONS

Weight	0,2 kg
Depth	43 mm
Cable length	1000 mm
Width	60 mm
Material of body	Plastic
Height	77 mm

SAFETY & APPROVALS

Flammability class	UL94-V0
IP class	IP20
Approvals	CE, cULus, EAC, RoHS, UL, UL E164102, VDE

EMC	EN 55014-1-2, EN 61000-3-2, EN 61000-3-3
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