Electronic Hygrotherm ETF 012

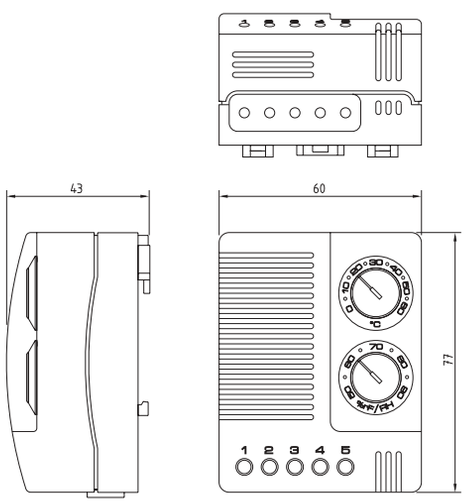
- **Temperature and humidity adjustable**
- **Optical operating display (LED)**
- **High switching capacity**
- **Clip fixing**

The electronic hygrotherm senses the ambient temperature and relative humidity in an enclosure with electric/electronic components, and turns on a heater (or alternatively, a fan) at either set point, helping prevent the formation of condensation in the enclosure. The LED integrated in the adjustment knob on the active controller is lit when the connected device is in operation.

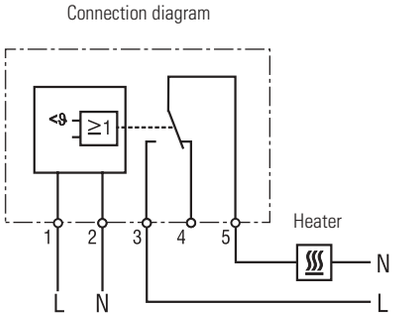
CE cULus

Technical Data

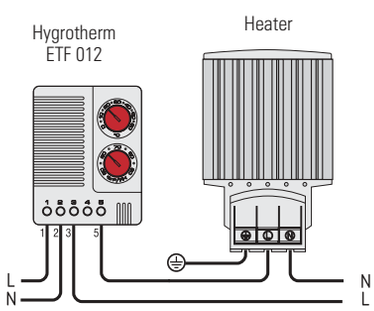
Switch difference (temperature)	2K (± 1K tolerance)
Switch difference (humidity)	4% RH (± 1% tolerance)
Reaction time (humidity)	approx. 160 sec.
Contact type	change-over contact (relay)
Contact resistance	< 10mOhm
Service life	NC: 50,000 cycles
	NO: 100,000 cycles
Max. Switching capacity (Relay	NC: 240VAC, 6 (1) A
output)	NO: 240VAC, 8 (1.6) A
	NC: 120VAC, 6 (1) A
	NO: 120VAC, 8 (1.6) A
	24VDC, 4A
EMC	acc. to EN 55014-1-2, EN 61000-3-2, EN 61000-3-3
Betriebsanzeige	LED
Connection	5-pole terminal 2.5mm², clamping torque 0.8Nm
Mounting	clip for 35mm DIN rail, EN50022
Casing	plastic according to UL94 V-0, light grey
Dimensions	77 x 60 x 43mm
Weight	approx. 0.20kg
Fitting position	vertical
Operating/Storage temperature	0 to +60°C (+32 to +140°F) / -20 to +80°C (-4 to +176°F)
Protection type	IP20



Connection diagram



Example of connection



Art. No.	Operating voltage	Setting range temperature	Setting range humidity	Approval
01230.0-00	230VAC, 50/60Hz	0 to 60°C	50 to 90% RH	VDE + UL File No. E164102
01230.9-00	120VAC, 50/60Hz	32 to 140°F	50 to 90% RH	UL File No. E164102
01230.9-01	120VAC, 50/60Hz	0 to 60°C	50 to 90% RH	UL File No. E164102