

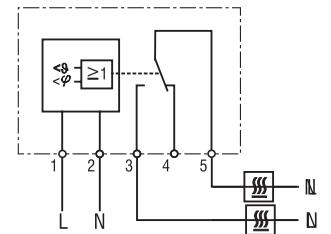
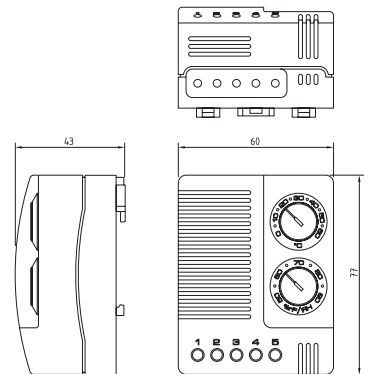
- Temperature and humidity adjustable
- Optical operating display (LED)
- High switching capacity
- Clip fixing

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.

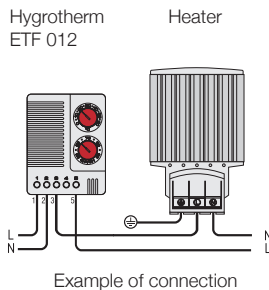


Technical Data:

Switch difference (temperature)	2K (±1K tolerance) at 25°C (50% RH)
Switch difference (humidity)	4% RH (±1% tolerance) at 25°C (50% RH)
Reaction time (humidity)	Approx. 5 sec.
Contact type	Change-over contact (relay)
Contact resistance	<10mΩ
Service life	NC >50,000 cycles NO >100,000 cycles
Max. switching capacity (Relay out-put)	NC 240VAC, 6 (1) A 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
Optical indicator	LED
Connection	5-pole terminal, clamping torque 0.5Nm max.: rigid wire 2.5mm ² stranded wire (with wire end ferrule) 1.5mm ²
Mounting	Clip for 35mm DIN rail, EN60715
Casing	Plastic according to UL94 V-0, light grey
Dimensions	77x60x43mm
Weight	Approx. 0.2kg
Fitting position	Vertical
Op/storage temp.	0 to +60°C / -20 to +80°C
Protection type	IP20



Connection diagram



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