

EBCHQ

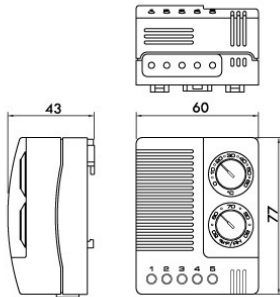
71460 Electronic Hygrotherm ETF 012



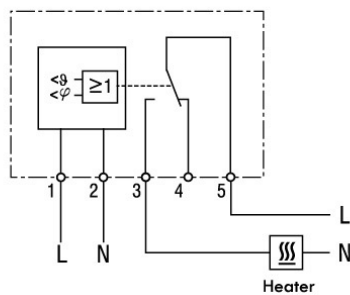
- Temperature and humidity adjustable
- High switching capacity
- Optical operating display (LED)
- Clip fixing

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.

Size chart

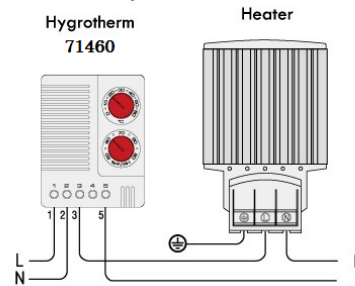


Connection diagram



Switch difference (temperature)	2K (±1K tolerance) at 25°C/77°F (50% RH)
Switch difference (humidity)	4% RH (±1% tolerance) at 25°C/77°F (50% RH)
Reaction time (humidity)	5 sec.
Contact type	change-over contact (relay)
Contact resistance	< 10m ohm
Service life	NC: 50,000 cycles NO: 100,000 cycles NC:240VAC,6(1)A NO:120VAC,8(1.6)A NC:240VAC,6(1)A NO:120VAC,8(1.6)A 100WDC at 24VDC
Max. Switching capacity (relay output)	
EMC	acc.to EN 55014-1-2, EN 61000-3-2 EN 61000-3-3
Optical indicator	LED
Connection	5-pole terminal for 2.5mm ² , clamping torque 0.5Nm max, rigid wire2.5mm ² stranded wire (with wire end ferrule) 1.5mm ²
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0.light grey
Dimensions	77×60×43mm
Weight	approx. 0.2kg
Fitting position	vertical
Operating / Storage temperature	0 to+60°C (+32°C to+140°F) /-20°C to +80°C (-4°C to +176°F)
Protection type	IP20

Example of connection



Art. No.	Operating voltage	Setting range temperature	Setting range humidity	Approvals
71460	230VAC, 50/60Hz	0 to +60°C	50 to 90% RH	CE
	120VAC, 50/60Hz	0 to +60°C	50 to 90% RH	CE