



- **Temperature and humidity adjustable**
- **Wide voltage range**
- **Operating temperature down to -40°C**
- **High switching capacity**
- **Status indicator (LED)**

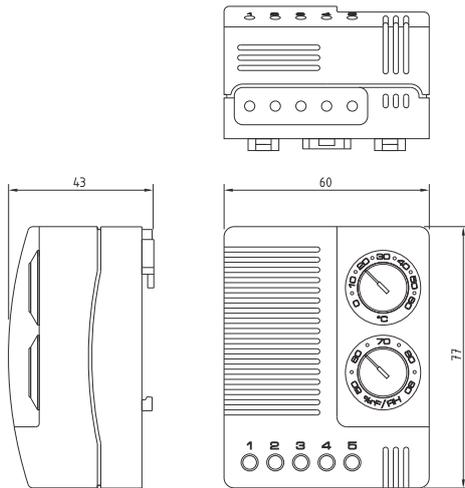
The electronic hygrotherm senses the ambient temperature and relative humidity in an enclosure with electric/electronic components and turns on a heater (or alternatively a fan) at either set point, helping prevent the formation of condensation in the enclosure. Due to its wide voltage range the hygrotherm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



### Technical Data

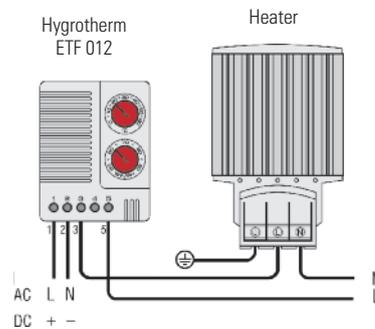
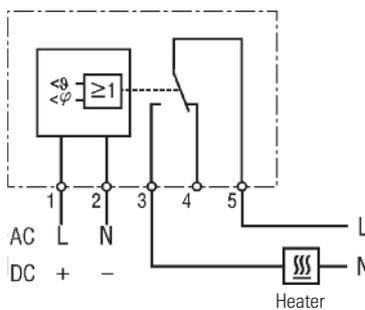
<b>Switch difference (temperature)</b>	2K (± 1K tolerance) at +25°C (+77°F) / 50% RH
<b>Switch difference (humidity)</b>	4% RH (± 1% tolerance) at +25°C (+77°F) / 50% RH
<b>Reaction time (humidity)</b>	approx. 5 sec.
<b>Contact type</b>	change-over contact (relay)
<b>Service life</b>	VDE: NO/NC > 15,000 cycles UL: NO/NC > 30,000 cycles
<b>Max. switching capacity (relay output)</b>	240VAC, 10 (1.6) A 60VDC, 0.6 A <sup>1</sup>
<b>Max. inrush current</b>	30AAC for 10 sec.
<b>Optical indicator</b>	LED
<b>Connection</b>	5-pole terminal, clamping torque 0.5Nm max.: rigid wire 2.5mm <sup>2</sup> stranded wire (with wire end ferrule) 1.5mm <sup>2</sup>
<b>Mounting</b>	clip for 35mm DIN rail, EN 60715
<b>Casing</b>	plastic according to UL94 V-0, light grey
<b>Dimensions</b>	77 x 60 x 43mm
<b>Weight</b>	approx. 0.2kg
<b>Fitting position</b>	vertical
<b>Operating / Storage temperature</b>	-40 to +60°C (-40 to +140°F)
<b>Operating / Storage humidity</b>	max. 90% RH (non-condensing)
<b>Protection type</b>	IP20

<sup>1</sup> not UL confirmed



Example of connection

Connection diagram



Art. No.	Operating voltage	Setting range temperature	Setting range humidity	Approvals
01230.0-00	100-240VAC, 50/60 Hz (min. 90VAC, max. 265VAC)	0 to +60°C	50 to 90% RH	VDE + UL File No. E164102
01230.9-00	100-240VAC, 50/60 Hz (min. 90VAC, max. 265VAC)	+32 to +140°F	50 to 90% RH	VDE + UL File No. E164102
01230.1-00	24-48VDC (min. 20VDC, max. 60VDC)	0 to +60°C	50 to 90% RH	VDE + UL File No. E164102