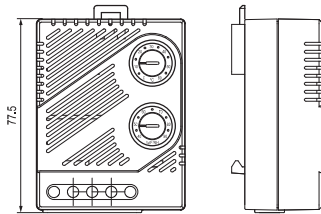
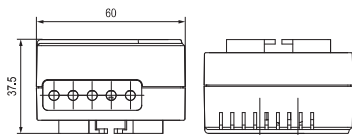


### NT 78-M



- 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.

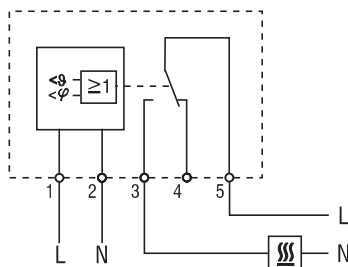
### Technical Data

CE RoHS ISO9001 Patent

NT 78-M	
Switch difference	temperature: 2K (±1K tolerance) at +25°C (+77°F), 50% RH humidity: 4% RH (±1% tolerance) at +25°C (+77°F), 50% RH
Reaction time (humidity)	approx. 5 sec.
Contact type	change-over contact (relay)
Service life VDE	NO/NC > 15,000 cycles; UL: NO/NC > 30,000 cycles
Max. switching capacity (relay output)	240VAC, 10(1.6) A / 120VAC, 15(1.6) A
Max. inrush current	AC 30A for 10 sec.
Optical indicator	LED
Connection	5-pole terminal, clamping torque 0.5Nm max.: rigid/stranded <sup>1</sup> wire 2.5mm <sup>2</sup> (AWG 14)
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	77.5 x 60 x 37.5mm
Weight	approx. 0.2kg
Fitting position	vertical
Operating/Storage temperature	-40 to +60°C (-40 to +140°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20

<sup>1</sup> When connecting with stranded wires, wire end ferrules must be used.

### Connection diagrams

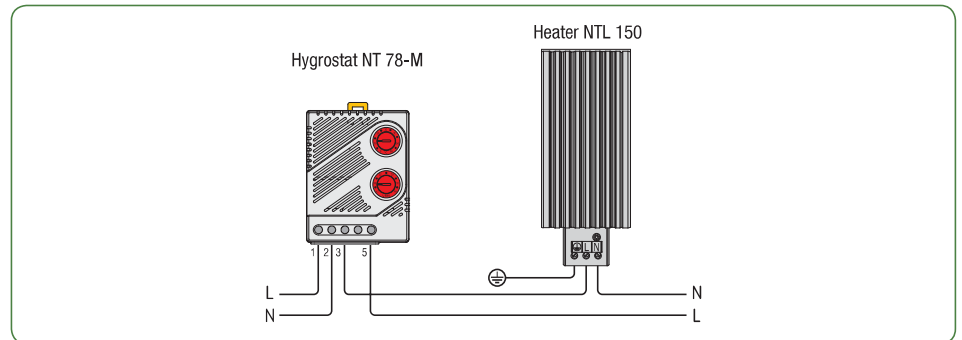


Heater



Filter fan, Cooling equipment, Signal device

### Examples of connection



Art. No.	Setting Range Temperature	Setting Range Humidity	Operating Voltage
860666	0 to +60°C	50 to 90% RH	230VAC, 50/60Hz
860667	+32 to 140°F	50 to 90% RH	120VAC, 50/60Hz
860668	0 to +60°C	50 to 90% RH	120VAC, 50/60Hz