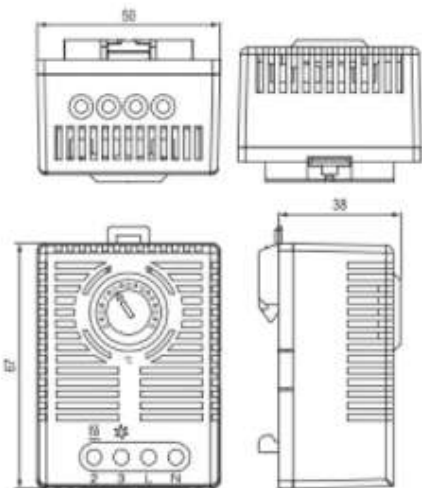


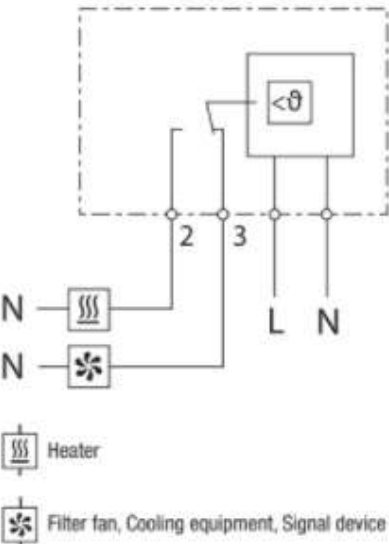
NT 75-F



Patent Number: ZL 2018 3 0400071.X



Connection diagrams



Heater
Filter fan, Cooling equipment, Signal device

- Adjustable temperature
- High switching capacity
- Small hysteresis
- Change-over contact
- Clip fixing

The electronic thermostat is used for controlling heating and cooling equipment, filter fans or signal devices. The thermostat registers the surrounding air and can switch both inductive and resistive loads via snap-action contact. Functionality: The temperature setting on the scale equals to the upper switch point, which means that the NC contact opens. The temperature setting minus switch temperature difference (and tolerances) equals to the lower switch point, which means that the NC contact closes.

Technical Data

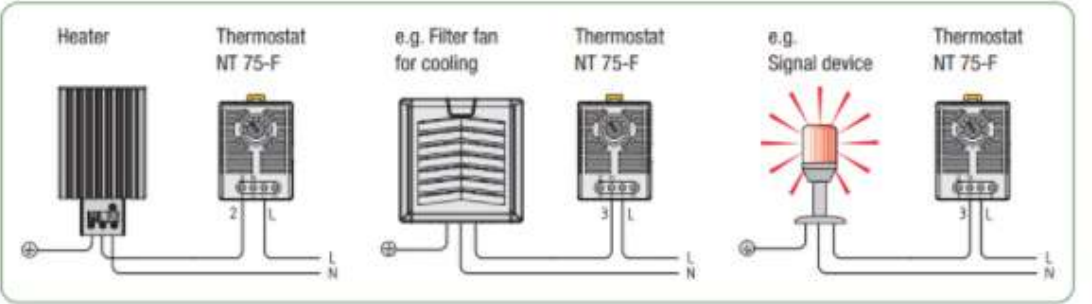
CE RoHS ISO9001 Patent

NT 75-F	
Switch temperature difference	5K (-3/+2K tolerance) ¹
Sensor element	NTC
Contact type	change-over snap-action contact
Service life	>100,000 cycles
Min. switching capacity	10mA
Max. switching capacity	NC: 250VAC, 10 (4) A NO: 250VAC, 5 (2) A
Max. inrush current	AC 16A for 10 sec.
Connection	4-pole terminal, clamping torque 0.5Nm max.: rigid/stranded ² wire 2.5mm ² (AWG 14)
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	67 x 50 x 38mm
Weight	approx. 60g
Fitting position	variable
Operating/Storage temperature	-20 to +60°C (-4 to +140°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20

¹ If the Normally Closed contact is used, the switch temperature difference could be reduced by connecting terminal "N" (RF heating resistor). It causes the thermal feedback which is subject to surrounding conditions and thus has to be determined for each individual application.

² When connecting with wires, wire end ferrules must be used.

Examples of connection



Art. No. Contact breaker (NC)	Setting Range	Operating Voltage
860050	-20 to +60°C	230VAC, 50/60Hz