

# ELECTRONIC THERMOSTAT

## ETR 011



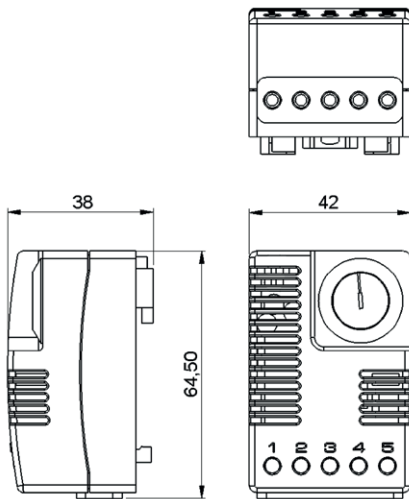
- > Large setting range
- > Small hysteresis
- > Status indicator (LED)
- > Change-over contact
- > Clip fixing

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 relay with change-over contact. The LED integrated in the adjustment knob is lit when the NC is closed. (e.g. when a connected heater is operating).

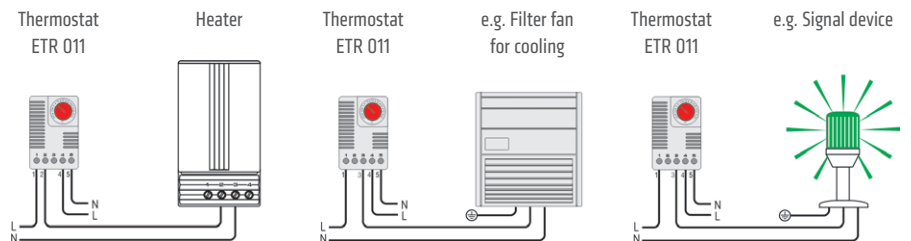
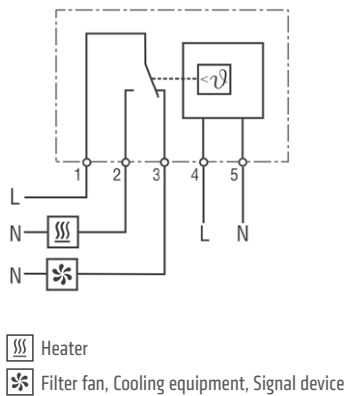


### TECHNICAL DATA

|  |   |
|--|---|
| Switch difference                      | 4K ( $\pm 1K$ tolerance) at +20°C (+68°F)   |
| Sensor element                         | NTC   |
| Reaction time                          | approx. 5 sec.  |
| Contact type                           | change-over contact (relay)   |
| Service life                           | > 50,000 cycles   |
| Max. switching capacity (relay output) | 240VAC / 120VAC, 8 (1.6) A<br>DC 100W at 24VDC  |
| Max. inrush current                    | AC 16A for 10 sec.  |
| Optical indicator                      | LED   |
| Connection                             | 5-pole terminal, clamping torque 0.5Nm max.:<br>rigid wire 2.5mm <sup>2</sup><br>stranded wire (with wire end ferrule) 1.5mm <sup>2</sup> |
| Mounting                               | clip for 35mm DIN rail, EN 60715  |
| Casing                                 | plastic according to UL 94V-0, light grey   |
| Dimensions                             | 64.5 x 42 x 38mm  |
| Weight                                 | approx. 70g   |
| Fitting position                       | vertical  |
| Operating/Storage temperature          | -40 to +185°F (-40 to +85°C)  |
| Operating/Storage humidity             | max. 95% RH (non-condensing)  |
| Protection type                        | IP20  |



Connection diagram



Examples of connection

| Art. No.   | Operating voltage | Setting range | Approvals    |
|------------|-------------------|---------------|--------------|
| 01131.0-00 | 230VAC, 50/60Hz   | -20 to +60°C  | VDE + CSA-US |
| 01131.9-00 | 120VAC, 50/60Hz   | -4 to +140°F  | CSA-US       |