

Double thermostat DTR01



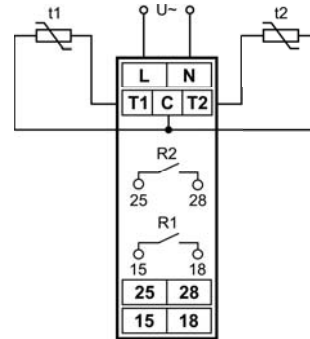
Device description

DTR01 keeps independently for both channels set reference temperature with hysteresis 2°C.

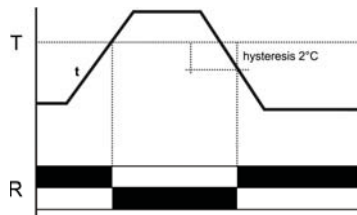
The relay has two normally open output contacts 16 A.

Double thermostat DTR01 is supplied together with two NTC 3k3 sensors with the 3 m cable length.

Device connection



Functions



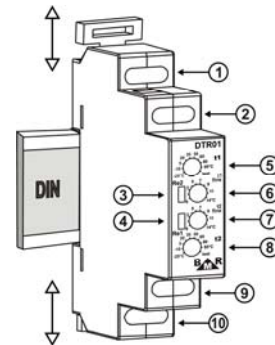
If the set temperature value T is not reached, output relay R is closed. When requested set temperature is reached, relay R is disconnected. Reconnection of relay R is made at the moment of measured value decline under the set level T minus hysteresis 2°C. Hysteresis eliminates relay bouncing at boundary values of temperature. Each channel is totally independent.

Operating status signalization

| | |
|---|--|
| Green LED - blinking | Presence of power supply |
| Yellow LED - ON | Power supply is not present |
| Green LED - ON | Output no. 15-18 is closed |
| Yellow LED - blinking Green LED - blinking | Signal noise ratio is lower than sensitivity. Sensitivity has to be reduced by rotary button. |

Terminal description

- 1 Supply voltage
- 2 Temperature sensors
- 3 2nd output indication
- 4 1st output indication
- 5 Function selection
- 6 Temperature setting
- 7 Fine temperature setting
- 8 Difference setting
- 9 2nd output
- 10 1st output



Technical features

| | |
|--|--------------------|
| Supply voltage | 230 VAC |
| Power consumption | max. 1,5 VA |
| Supply voltage indication | green LED |
| Output indication | yellow LED |
| Number of functions | 10 |
| Temperature sensor | BMR RT_P (NTC 3k3) |
| Measuring temperature range | -25°C ... +95°C |
| Number and type of output contact | 2 x changeover |
| Nominal current | 16 A |
| Switching power | max. AC 2000 VA |
| Trigger current | 30 A |
| Nominal / maximum switching voltage | 250 VAC / 440 VAC |

| | |
|------------------------------------|--|
| Mechanical lifetime | 3 x 10 ⁶ |
| Electrical lifetime | 1 x 10 ⁴ (250 VAC, 8 A) |
| Working temperature | -20°C ... +55°C |
| Storage temperature | -40°C ... +70°C |
| Mounting position | any |
| Mounting | IEC 60715 (DIN 35 mm) |
| Protection degree | IP20 |
| Electrical strength | 4 kV |
| Maximum input wire diameter | 2 x 1,5 mm ² or 1 x 2,5 mm ² |
| Weight | 75 g |
| Dimensions | 90 x 18 x 65 mm |
| Standards | IEC60255, 56, IEC61010 |