

# Thermostat TK24

Thermostat TK24 (DIN EN 60730-1) is temperature sensitive device, with cyclic operation. It is assigned for maintaining the needed temperature, between two predetermined temperature limits, automatically controlling-the on and off of the electrical circuit.

The choice of its operation position is free.

**APPLICATIONS.** Temperature regulation, control, temperature limiting and indication in domestic and industrial electric appliances, etc.

## BASIC TECHNICAL DATA

| Parameters name                                                                | Value                                |
|--------------------------------------------------------------------------------|--------------------------------------|
| Nominal voltage, V, not more                                                   | ~250                                 |
| Nominal current, A, at power coeff. 0,95, not more                             | 16                                   |
| Nominal current, A, at power coeff. 0,6, not more                              | 10                                   |
| Switching cycles, at nominal current 16 A and power coeff. 0,95, not less than | 30 000                               |
| Temperature range, °C                                                          | 10 - 175                             |
| Tolerance of operation temperature, %                                          | ±1; ±3, but not less than, °C ±1; ±3 |
| Reset temperature, lower than operation temperature, °C, on                    | 5 ± 3; 15 ± 5; 40 ± 10               |
| Contact resistance, Ω, not more                                                | 0,01; 0,05                           |
| Electric strength of insulation, V, not less than                              | 1500                                 |
| Insulation resistance, MΩ, not less than                                       | 50                                   |
| Heating speed, K/min                                                           | minimum-0,1, maximum-1,0             |
| Degrees of protection provided by enclosure                                    | IP4X; IP64                           |
| Weight, g, not more                                                            | 6,8; 9,5                             |

**Note:** The customer can also give orders according to required parameters, which should be agreed with the manufacturer.

The outer appearance, its installation and tightening, is classified as per its assembling requirements.

The design, volume, and assembling sizes, are all described in the drawings.

