

Features

- Electronic thermostat
- Large setting range
- Change-over contact
- Small hysteresis
- Din-rail mounting
- Setting -20 to +60°C
- Status Indicator (LED)

RS PRO Thermostats

RS Stock No.: 0319836



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

RS PRO Thermostats ensure perfect climatic conditions in control cabinets and enclosures using our temperature and humidity control systems: our temperature controllers and hygrometers control and regulate connected heaters or filter fans with both AC- and DC-powered applications, thereby enabling the perfect feel-good climate for your electronics.

Electronic thermostat for controlling heating, cooling devices, filter fans or signal transmitters. Detects the ambient temperature and switches via the output relays with change-over contact. If, for example, a heating system is in operation, the integrated LED lights up.

Large setting range

Small hysteresis enables precise control

Visual status display (LED)

Change-over contact (heating or cooling)

Clip fixing

General Specifications

| | |
|-------------------------------|--|
| Thermostat Type | Electronic |
| Sensor element | NTC |
| Reaction time | -5 s |
| Minimum Operating Temperature | -40°C |
| Maximum Operating Temperature | +80°C |
| Setting Dial | -20 to 60°C |
| Contact type | Change-over contact (Relay) |
| Service Life | >50000 cycles verified |
| Temperature Tolerance | 4K (± 1 K Tolerance) at 20°C |
| Optical Indicator | LED |
| Applications | Control Cabinets, Switchgear, Automation, Panels & Enclosures, Ventilation and air-conditioning industry |

Electrical Specifications

| | | |
|------------------------|--|-----------|
| Contact Rating | Resistive | Inductive |
| | 8A (230v), 8A (110v) | 1.6A |
| Contact Voltage Rating | 240VAC, 120VAC, 24VDC (100W) | |
| Max In-rush current | AC 16A for 10s | |
| Terminal Type | 5-pole terminal, clamping torque 0.5Nm max, Rigid/Stranded wire 2.5mm ² (AWG14) | |
| Electrical Life | >50,000 Cycles verified | |

Mechanical Specifications

| | |
|---------------|-------------------------------|
| Dimensions | 64.5 x 42 x 38mm |
| Mounting Type | 35mm Din-rail EN 60715 |
| Casing | Plastic according to UL94 V-0 |
| Weight | 70g |

Operation Environment Specifications

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -40°C to 80°C |
| Humidity | <90% r. H. (non-condensing) |

Operation Environment Specifications

| | |
|-----------|------|
| IP Rating | IP20 |
|-----------|------|

Approvals

| | |
|--------------|----------------|
| Approvals | UL / VDE / EAC |
| Declarations | CE / UKCA |
| Declarations | ROHS 3 |