

Compact thermostat for installation in switch cabinets (on DIN rail) ITR 79

Electronic thermo controller with remote sensor



| Technical data | | Application |
|---------------------------------|---|---|
| Operating voltage: | 250 V~, 50 / 60 Hz | Control and supervision of temperatures in halls, green houses and of temperatures developed by floor heating systems. The devices dispose of a sensor breakdown and short-circuit protection. |
| Switching capacity: | 24–250 V~ make contact: 10(3)A, break contact: 5(1.5) A | |
| Contact: | 1 relay as potential-free changeover contact | Sensors are not included in the scope of the delivery (except ITR 79.804, ITR 79.805, ITR 79.608). (For choice of sensors available, see as of page 99). |
| Switching difference: | adjustable 0.5 ... 5 K, except ITR 79.600, ITR 79.608, ITR 79.503 | |
| Ambient temperature: | –10 ... +40°C | |
| Degree of protection: | IP 20 | Application of sensor types according to sensor no. indicated (i.e. all no. 24 or 4 sensor types can be used, e.g. HF-4, LF-24, etc.). Avoid parallel laying of sensor line and mains supply cables or protect it by shielding. |
| Protection class: | II | |
| Mode indication: | red LED: heating green LED: cooling | |
| Mounting / installation: | on DIN rail (35 mm) | |
| Electrical connections: | terminal screws, max. 2.5 mm ² | |
| Colour: | grey (RAL 7035) | |

| Type | Item No. | Control range | Equipment | Sensor | PG |
|--|-----------|-------------------|---|---------------------|----|
| ITR 79.402 | D 4780167 | –35 ... +15°C | heating, red LED | 1 / 21 (NTC 1 K) | A |
| ITR 79.404 | D 4780155 | 0 ... 60°C | heating, red LED | 4 / 24 (NTC 10 K) | A |
| ITR 79.405 | D 4780181 | 35 ... 95°C | heating, red LED | 5 / 25 (NTC 50 K) | A |
| ITR 79.406 | D 4780205 | 70 ... 130°C | heating, red LED | 6 (NTC 100 K) | A |
| ITR 79.408 | D 4780179 | –10 ... +40°C | heating, red LED | 3 / 23 (NTC 8 K) | A |
| ITR 79.503 | D 4780524 | 0 ... 11°C | frost protection, manual reset, switching difference: 1.5 K, fixed red LED (sensor short-circuit at 75°C) | 0 / 20 (NTC 2 K 25) | A |
| ITR 79.504 | D 4780371 | 0 ... 60°C | cooling, green LED | 4 / 24 (NTC 10 K) | A |
| ITR 79.508 | D 4780369 | –10 ... +40°C | cooling, green LED | 3 / 23 (NTC 8 K) | A |
| Two reference setters (e.g. for day / night temperature control via external clock) | | | | | PG |
| ITR 79.600 | D 4780508 | 2 x 5 ... 30°C | heating, switching difference: 0.5 K fixed | 2 (NTC 47 K) | A |
| ITR 79.608 | D 4780558 | 2 x –10 ... +40°C | heating, switching difference: 0.5 K, fixed incl. sensor HF-8 / 4-K2 (4 m) | 8 (NTC 2 K) | A |
| For remote sensor triggered control of electric floor heating systems | | | | | PG |
| ITR 79.804 | D 4780545 | 0 ... 60°C | scale 0 ... 6, heating, red LED, incl. sensor HF-8 / 4-K2 (4 m) , sensor also applicable with HTRRB-011.010, ETR 77.804, FETR and FDTR-U | 8 (NTC 2 K) | A |
| ITR 79.805 | D 4780557 | +35 ... +95°C | heating, red LED, incl. sensor HF-8 / 4-KS (4 m) | 8 (NTC 2 K) | A |