

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

Electronic thermo controller with remote sensor



Technical data		Application
<b>Operating voltage:</b>	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.
<b>Switching capacity:</b>	24–250 V~ make contact: 10(3)A, break contact: 5(1.5) A	
<b>Contact:</b>	1 relay as potential-free changeover contact	<b>Sensors are not included in the scope of the delivery</b> (except ITR 79.804, ITR 79.805, ITR 79.608). (For choice of sensors available, see as of page 99).
<b>Switching difference:</b>	adjustable 0.5... 5 K, except ITR 79.600, ITR 79.608, ITR 79.503	
<b>Ambient temperature:</b>	–10 ... +40°C	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.
<b>Degree of protection:</b>	IP 20	
<b>Protection class:</b>	II	
<b>Mode indication:</b>	red LED: heating green LED: cooling on DIN rail (35 mm)	
<b>Mounting / installation:</b>	terminal screws, max. 2.5 mm <sup>2</sup>	
<b>Electrical connections:</b>	terminal screws, max. 2.5 mm <sup>2</sup>	
<b>Colour:</b>	grey (RAL 7035)	

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