

# Temperature difference thermostat ETR 78

Electronic thermo controller with remote sensor



### Technical data

- Operating voltage:** 250 V~, 50 / 60 Hz
- Switching capacity:** 10 (3) A at 250 V~, 50 / 60 Hz
- Contact:** changeover contact
- Ambient temperature:** 0...55°C
- Degree of protection:** IP 65
- Protection class:** II
- Mounting / installation:** wall mounting, independent of position
- Colour:** grey (bottom part RAL 7016, upper part RAL 7035)

### Application

Acquisition of the temperature differential between two independent NTC sensors. Mainly suited for use with solar heating systems for the triggering of the circulating pump. Also suited for control of heating and service water pumps, valves or heat pumps in dependence on a certain temperature difference.

**Sensors are not included in the scope of the delivery** (for choice of sensors available, see as of page 99).

Application of sensor types according to sensor no. indicated (i.e. all no. 5 / 25 sensor types can be used, e.g. HF-5, LF-25 or AF-5, etc.). **Two sensors** need to be ordered per device.

Avoid parallel laying of sensor line and mains supply cables or protect it by shielding.

Type	Item No.	Control range	$\Delta t$	Switching difference	Sensor	PG
ETR 78.005	D 4780041	35...95°C	1...20 K	0.1...2 K	5 / 25 (NTC 50 K)	E
ETR 78.006	D 4780080	0...60°C	1...20 K	0.1...2 K	3 / 23 (NTC 8 K)	E

