

Bimetal room temperature controllers PTR

For surface-mounted installation or as ready-to-use device – Design Pikolo



Technical data

Operating voltage:	230 V~, 50 Hz
Sensor:	bimetal
Switching capacity: Break contact	13 (4) A/230 V~ (3000 W)
Setting ranges:	5 ... 30°C (numeric scale 1 ... 6)
Switching difference:	approx. 1 K with a temperature change of max. 4 K/h
Degree of protection:	IP 30
Protection class:	II (protection class I and II compliant equipment)
General equipment:	thermal feedback, mechanical range reduction, (except PTR 01.401)
Admissible air moisture:	max. 95 % r. h., non condensing
Storage temperature:	-20 ... +70°C
Safety and EMC:	acc. to DIN EN 60730
Ambient temperature:	0 ... 30°C
Housing colour:	pure white, similar to RAL 9010
Housing material:	plastic (ABS)
Mounting/installation:	wall mounting or ready-to-use
Weight:	approx. 330 g (PTR 01.4 ...)

Application

Control of the temperatures in rooms heated by radiators, closed fireplaces, direct electrical heating systems, marble heating systems, etc.

Caution! If connecting loads of more than 2300 Watt, care must be taken to ensure that the wall socket is dimensioned for 16 A (fire hazard).

Devices PTR 01.401, PTR 01.411 and XA-PTR 2-14 are also suitable for electrical sockets with a centre earth pin (CEE 7/5), typically used in France, for example.

Model/ Picture	Item No.	Equipment	Circuit diagram	PG
<p>PTR 01.401</p>	A 201200	Cable, 1.5 m long, with Schuko (CEE 7/4) adapter. Controller suited for permanent installation or for wall suspension by means of a special adapter plate (2-hole fixing, drilling jig included in the scope of the delivery). We can also supply devices modified for use in Switzerland on request (PTR 01.402 CH)	ready-to-use	I
<p>PTR 01.411</p>	A 201121	Cable, 1.5 m long, with Schuko (CEE 7/4) coupling. A preassembled plug-in socket enables to plug the controller directly into the wall socket.	ready-to-use	I
<p>XA-PTR 2-14</p>	A 109404	Plug in socket (as with PTR 01.411), completely prewired (see drawing below), can be completed with room thermostat PTR 01.086.	ready-to-use or installation with room thermostat PTR 01.086, see below	I
<p>PTR 01.086</p>	A 201080	Break contact, 3000 W switching power , 13 (4) A, for electric radiator heating systems, e.g. marble radiators Note: If heating output > 1500 W, do not connect terminal 4		I

