Advanced control heating systems – TPRIII E

TPRIII E
Electronic Pilot Plus panel heaters

TPRIII Electronic Pilot Plus panel heaters incorporate electronic thermostatic controls to allow precise regulation of room temperatures – essential when comfort, economy and energy efficiency need to be considered in equal measure.

Key features

- Front facing grille for efficient heat projection
- Styling to complement Eco-Response radiators with pure white finish
- Electronic thermostatic control +/-0.3ºC, completely silent operation
- Pre-set background temperature at 5ºC below thermostat setting (when connected to a programming unit supporting setback feature)
- Optional plug-in electronic timer modules, including:
  - 24 hour digital timer (Model TPR E24T)
  - Single-zone pilot wire programmer (Model TPR E7DT)
  - Runback timer (Model TPR ERBT)
- Compatible with Creda 4 zone, wall mounted pilot wire signalling multi-heater programmers
- Hidden thermostat range limiter feature – for additional economy
- Simple detachable wall bracket for easy installation

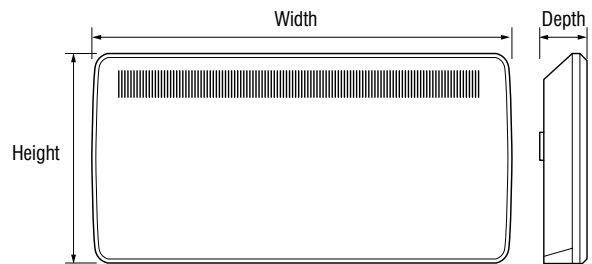**PW** PILOT WIRE   **SH** SINGLE HEATER

TPRIII E Electronic rotary thermostat

Improved economy may be achieved by limiting the thermostat rotational range, by means of the mechanical 'peg and hole' feature hidden beneath a removable cap on the thermostat knob.

Technical Specification

- Element – finned, mineral-filled sheathed type
- Thermostat – electronic with fixed 5ºC setback facility
- Finish – white powder coated steel and thermoplastic
- Protection – auto reset thermal cut-out
- IP rating – IPX4 (splashproof)
- Cable – 1.2 metres, 4 core cable (live, neutral, pilot and earth)
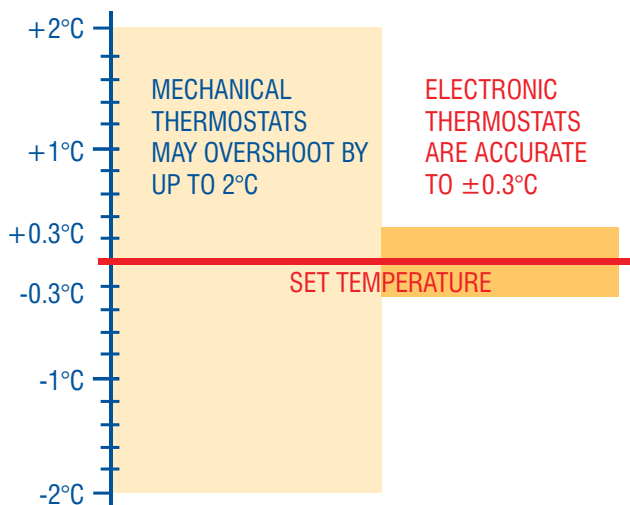- Supply – 230/240V AC single phase

Product selector

Model	Loading (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
TPRIII 500E	0.5	430	450	108	5.2
TPRIII 750E	0.75	430	620	108	6.6
TPRIII 1000E	1	430	620	108	6.6
TPRIII 1250E	1.25	430	690	108	7.1
TPRIII 1500E	1.5	430	690	108	7.1
TPRIII 2000E	2	430	860	108	8.5

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Control options

A range of optional plug-in control modules, which can be removed from the heater for easy programming, provide the flexibility for TPRIII to meet a wide range of control specifications:

SH SINGLE HEATER

• TPR E24T 24 hour digital timer. Provides 24 hour programmable on/off control.

PW PILOT WIRE

• TPR E7DT single zone, pilot wire programmer controls up to 10 slave heaters. Provides 7 day programmable on/off control.

SH SINGLE HEATER

• TPR ERBT runback timer. Provides installer programmable runback time up to 4 hours (in 30 minute increments). Can be locked into heater.

TPRIII E Electronic Thermostat

+2°C
+1°C
+0.3°C
-0.3°C
-1°C
-2°C

MECHANICAL THERMOSTATS MAY OVERSHOOT BY UP TO 2°C

ELECTRONIC THERMOSTATS ARE ACCURATE TO ±0.3°C

SET TEMPERATURE

The TPRIII E electronic panel heaters feature highly accurate electronic thermostats (+/-0.3ºC), providing superior comfort and operating efficiency.

As the room temperature nears the desired set point, power to the elements is reduced. The room temperature is closely monitored to an accuracy of less than 0.3ºC, minimising overshoot and temperature drift, resulting in better energy efficiency and user comfort.

Control Options

4 zone pilot wire central controller

Allows 7 day programming of comfort/setback time settings of multiple pilot wire linked heaters in up to 4 separate zones. See page 22 for more details.

Model PW E4ZC

Product selector

Model	Product Description	Height (mm)	Width (mm)	Depth (mm)
TPR E24T	24 hour plug-in timer module	50	70	145
TPR E7DT	7 day single zone plug-in timer module	50	70	145
TPR ERBT	4 hour run back timer plug-in module	50	70	145
PW E16A	16 amp pilot wire interface unit	86	86	22
PW E4ZC	4 zone pilot wire central controller	132	86	38