

electronic panel heater controls

for energy saving comfort and convenience

Dimplex panel heater controllers provide fully programmable energy saving control for Dimplex electronic panel heaters, DuoHeat radiators and now even additional ancillary appliances, such as towel rails or hot water systems, providing unmatched levels of versatility and energy efficiency.

With options ranging from 24 hour digital timers for individual heaters, through to single or 4-zone multi-heater programmers, there is a flexible and easy to use control solution available to meet the needs of virtually any application.



Cassette can be removed from heater for easy programming

Controls for EPX Range

Programmable 24 hour digital timer: RX24TI

The RX24TI timer provides programmable 24 hour time control, so each EPX panel heater can be configured to its own individual operating programme.

- 24 hour digital programming cassette – plugs directly into panel heater.
- 4 programmable time periods, switching heater between On/Off modes.
- Programme advance and manual over ride features.
- 1 timer required per heater.
- Cassette can be removed from heater for easy programming.
- Back lit LCD with power-save mode.
- Programmes saved in memory for 12 hours in event of power failure.
- Quick start user guides printed on rear of programming cassette.
- Compatible with EPX range only.



Single zone programming cassette: RXPWI

RXPWI single zone programming cassettes allow multiple EPX panel heaters to be controlled on a common time programme, with slave heaters linked to a master heater via pilot wire.

- Single zone pilot wire programming cassette – plugs directly into heater.
- Master/slave control – master heater fitted with programmer controls up to 10 slave heaters via pilot wire.
- 4 programmable time periods for weekdays and weekends, switching heater between On/Off modes.
- Programme advance and manual over ride features.
- Cassette can be removed from heater for easy programming.
- Back lit LCD with power-save mode.
- Programmes saved in memory for 12 hours in event of power failure.
- Quick start user guides printed on rear of programming cassette.
- Compatible with EPX range only.



Electronic runback timer: RXRBT1

The RXRBT1 runback timer is ideal for controlling energy costs in areas such as student accommodation or hotels, allowing the heater to operate only for a preset period of time each time the controller is activated.

- Runback timer cassette – plugs directly into panel heater.
- Installer adjustable run back time, 30 mins to 4 hours (in 30 min increments).
- Switches heater between On and Off modes on button press.
- 1 timer required per heater.
- Can be locked into heater by installer, preventing user from tampering with time settings.
- Neon indicates when time period is active.
- Alternative “advanced” mode allows heater to be controlled on comfort/background basis.
- Compatible with EPX range only.



Controls for EPX, EVS, RPX, Calidou, Apollo and DuoHeat ranges

4 zone wall mounted programmers: RXPW4 and RXMBS4

Dimplex 4-zone wall mounted programmers provide the flexibility of complete system control from the convenience of a single point. Each zone in the system can be individually configured with a custom 7 day time programme, allowing complete flexibility over system design. RXPW4 and RXMBS4 wall mounted programmers are compatible with EPX, EVS, RPX, Calidou and Apollo ranges of electronic panel heaters and DuoHeat radiators.

- Wall mounted, mains powered units.
- Pilot wire or Mains Borne Signalling options.
- 4 zones, each with separate customisable user programme for each day of the week.
- Installer configurable option to allow switching between Comfort/Setback modes, Comfort/Off modes or Comfort/Frost protection modes.
- Manual programme over-ride facility, with automatic return to programme at next timed change.
- Continuous Comfort, Setback, Frost protection and Off modes.
- Holiday (time absence) mode.
- Easy to install and configure.
- Models RXPW4 (pilot wire) and RXMBS4 (mains borne signalling).
- Compatible with EPX, EVS, RPX, Calidou, Apollo and DuoHeat ranges.
- RXPW4 pilot wire programmer can be used with RXPWIF interface unit to control ancillary appliances, such as towel rails or hot water systems.

Note: For MBS option, RX9913 receiver cassettes are required for each panel heater or RX03002 for each DuoHeat radiator.



Model RXPW4

Controls for ancillary appliances RXPWIF pilot wire interface unit

The RXPWIF pilot wire interface unit provides additional system versatility by allowing ancillary appliances, such as towel rails or water heaters, to be controlled via a pilot wire programmer (typically RXPW4 4 zone controller).

- Allows control over ancillary appliances up to 3kW (16A) load (typically towel rail or hot water cylinder immersion heater).
- Installed local to the appliance being controlled. 38mm single gang wiring accessory back box required (not supplied).
- Switches power to appliance when programmer in comfort mode; disconnects supply when programmer in all other modes.
- Ideal for use with RXPW4 4-zone pilot wire programmer.

Controls for EVS, RPX, Calidou and Apollo ranges

Single zone programming cassettes: RX9911, RX9912, RX9913

RX single zone programming cassettes allow multiple EVS, RPX, Calidou and Apollo panel heaters to be controlled on a common time programme, with slave heaters linked to a master via pilot wires or mains borne signalling.

- Single zone pilot wire and mains borne signalling programming cassettes – plug directly into panel heater.
- Master/slave control – master heater fitted with programmer controls up to 20 slave heaters (receivers required for MBS versions).
- Choice of 7 preset or 1 customisable programme per day of the week, switching heater between comfort and setback modes (note: not On/Off).
- Cassette can be removed from heater for easy programming.
- Programmes saved in memory for 4 hours in event of power failure.
- Quick start user guides printed on rear of programming cassette.
- Models RX9911 (pilot wire programmer), RX9912 (MBS programmer), RX9913 (MBS receiver).
- Compatible with EVS, RPX, Calidou, Apollo ranges.



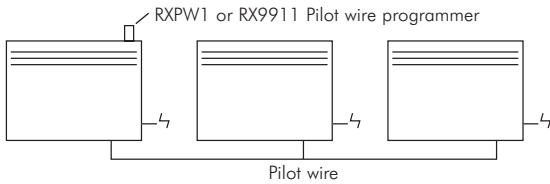
Model RX9911

Pilot wire connection

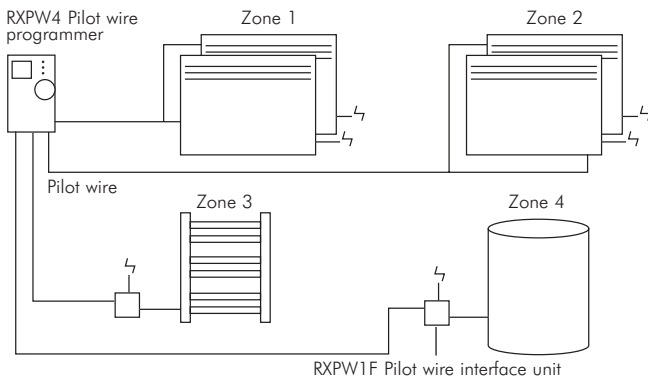
Pilot wire installations utilise an additional control wire linked between each heater. This is a 240V live conductor, carrying a low current signal to activate the various modes on the heater electronic control. Up to 20 heaters per zone can be supported (dependent on controller).

This system is ideal for new build applications as the pilot wire can be installed with the first fix wiring. As heaters require no additional receivers, this offers a cost-effective means of central control.

Single Zone Configuration



Four Zone Configuration



Note: Pilot wire installations are appropriate for single phase connection only.

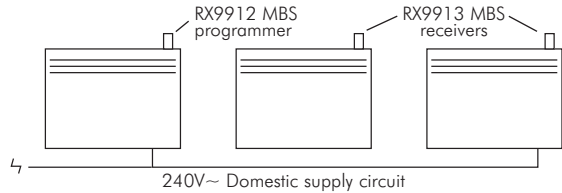
Note: Pilot wire installations are appropriate for single phase connection only.

Mains borne signalling connection

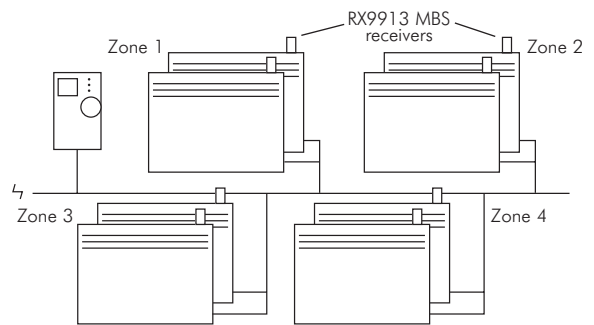
Mains borne signalling (MBS) uses the standard twin and earth wiring in the domestic supply circuit to carry a modulated signal between each heater. A receiver cassette is required in each slave heater to decode the signal. Unique electronic identity codes in each programmer prevent interference with receivers in different zones/buildings and negate the need for additional mains filtering.

This system is ideal for use in existing buildings where it is not possible to install an additional hard wired connection between heaters.

Single Zone Configuration



Four Zone Configuration



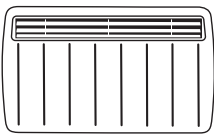
Note: Heaters and programmers should be installed on the same supply circuit, connected to the same phase. For a 3ph installation a phase coupler should be used.

Key: ⚡ = 240V domestic supply circuit.

Heater/controller compatibility

The tables below provide a quick reference guide to which heater controllers can be used together.

EPX range



Single Heater Controllers.

RX24T1 – 24 hour digital timer.

Multi Heater Controllers.

RXPW1 – Single zone pilot wire programming cassette.

RXPW4 – 4 zone wall mounted pilot wire programmer.

RXMBS4 – 4 zone wall mounted mains borne signalling programmer + RX9913 MBS receiver.

Landlord Configured Controllers.

RXRBT1 – runback timer cassette.

KX3001/3 – keyfob/card switches..

EVS, RPX, Calidou, Apollo ranges



Multi Heater Controllers.

RX9911 – single zone pilot wire programming cassette.

RX9912 – single zone mains borne signalling programming cassette + RX9913 MBS receiver (slave heaters).

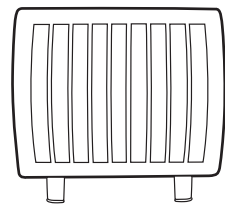
RXPW4 – 4 zone wall mounted pilot wire programmer.

RXMBS4 – 4 zone wall mounted mains borne signalling programmer + RX9913 MBS receiver.

Landlord Configured Controllers.

KX3001/3 – keyfob/card switches.

DuoHeat® radiators



Multi Heater Controllers.

RXPW4 – 4 zone wall mounted pilot wire programmer.

RXMBS4 – 4 zone wall mounted mains borne signalling programmer + RX03002 MBS receiver.