



Comfort. By design

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www.dimplex.co.uk

eBrochure

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been downloaded from the official Dimplex website**

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change specification without notice.

Apollo range



Features

- Compact, stylish casing with distinctive curved grille.
- Two fixed towel hangers (not heated).
- Highly comfortable radiant heat output, reducing heat stratification and energy wastage.
- Fitted with an electronic thermostat, accurate to within 0.1 °C to maintain a stable room temperature.
- User selectable comfort, background and frost protection settings.
- Splash proof (IPX4 rated) for use in bathrooms and wet areas.
- Controls cover which can be locked if necessary.
- Compatible with Dimplex single or 4 zone multi-heater programmers.

INSTALLED HEATING - PANEL HEATERS

Apollo range

Technical Specification

Controls

1 Function control

User selection of "comfort", "background" (4°C below the thermostat setting) and "frost protection" (5°C), off and programmed operation (if programmer is fitted). Neon indicator shows function selected.

2 Thermostat Dial

The dial is marked * to 9. The * setting represents a room temperature of approximately 5°C and may be used for protection against frost. The other settings range up to a maximum room temperature of approximately 35°C. A neon indicator shows when the element is operating.

3 Plug-in control modules

A range of optional plug in control modules are available for use with Apollo:

- Single zone pilot wire programmer (RX9911)

controls up to 20 slave heaters linked via pilot wire. Provides 7 day control, switching heater between comfort and setback mode. Can be removed from heater for easy programming.

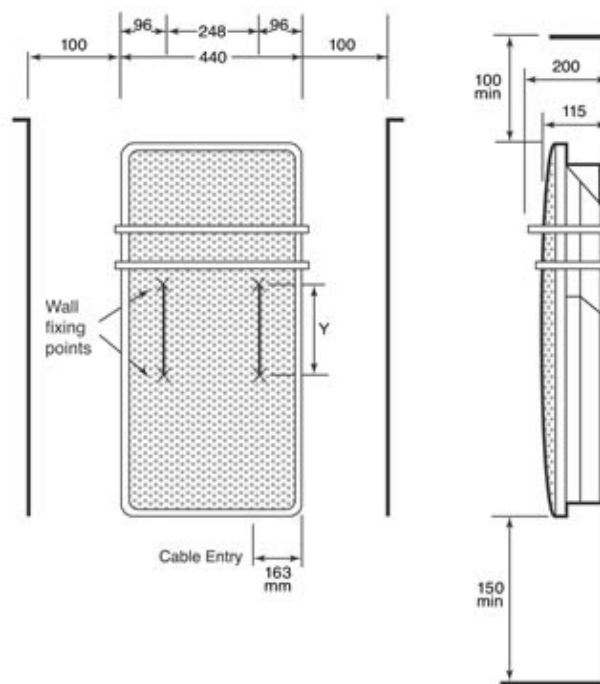
- Single zone mains borne signalling

programmer (RX9912) controls multiple slave heaters, with RX9913 MBS receivers fitted to each slave. Provides 7 day control, switching heater between comfort and setback modes.

Multi Zone Control

Compatible with Dimplex 4-zone pilot wire and mains borne signalling controllers (RX9913 receivers for MBS systems).

Main and Fixing Dimensions



Model No.	Loading	Height	Width	Y	Weight
APL100	1.0kW	830mm	440mm	468mm	7.2kg

Elements

Two mineral filled sheathed electric elements are embedded in aluminium heating plates. Low element operating temperature of around 200°C reduces air drying effects and dust burning. The heating plates have a unique design - the forward face is finished in matt black and has greater surface area to maximise radiant heat. The reverse side is in its natural smooth aluminium state to minimise heat loss to the wall.

IP Rating

Splash-proof IPX4 for use in wet areas.

Construction

Durable polyester powder coated steel with mesh steel front grille.

Installation

A detachable wall-mounting frame allows quick wall fixing.

Electrical Connections

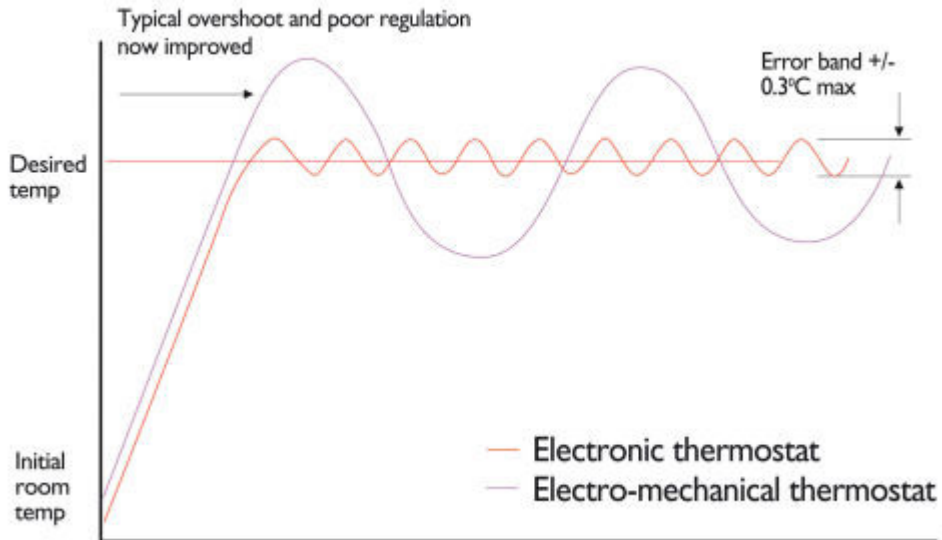
2m 4-core cable (live, neutral, earth and pilot wire) supplied fitted to each heater.

Colour/Finish

White.

Electronic Control

Dimplex electronic panel heaters feature highly accurate electronic thermostats, providing superior comfort and operating efficiency. As the room temperature nears the desired set point, power to the elements is reduced, and the room temperature closely monitored to an accuracy of less than 0.1°C , minimising overshoot and temperature drift, resulting in better energy-efficiency and user comfort. Being electronic, control is totally silent and reliable - performance will not deteriorate even over many year's use.

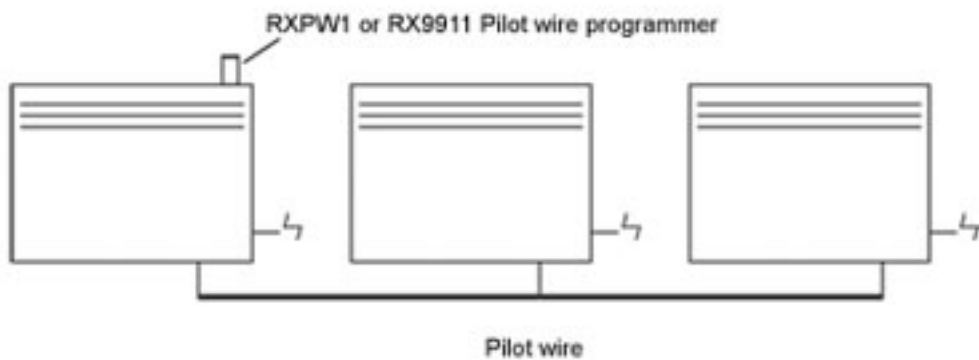


Apollo range

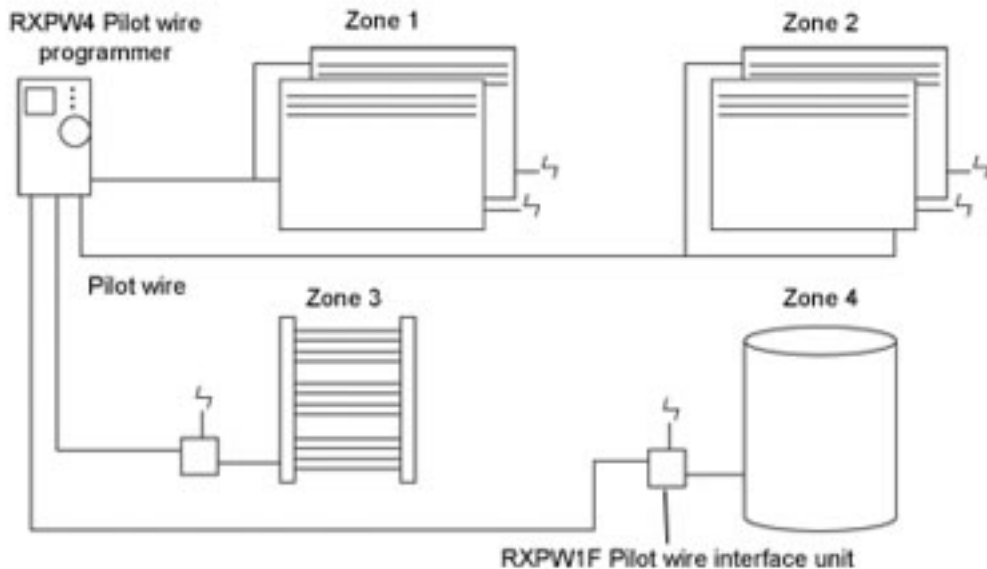
Pilot wire connection

- 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.

Electronic panel heater controls

- [4 Zone Wall Mounted Programmers: RXPW4 and RXMBS4](#)
- [Single Zone Programming Cassettes: RX9911, RX9912 and RX9913](#)
- [Controls for ancillary appliances: RXPW1F Pilot Wire Interface Unit](#)

Panel heater controls

- [KX Range](#)
- [Heater/Controller Compatability](#)

Apollo range

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 Monterey, Girona, EPX, EVS, RPX, Apollo electronic panel heater and DuoHeat radiator.



- 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 Monterey, Girona, EPX, EVS, RPX, Apollo electronic panel heater and DuoHeat radiator.
- 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.

Note: A mains filter RXMBSF4 is required for use with MBS controller and DuoHeat radiators, in addition to an RX03002 (which includes RXFER4 ferrite core) receiver for each DuoHeat radiator.

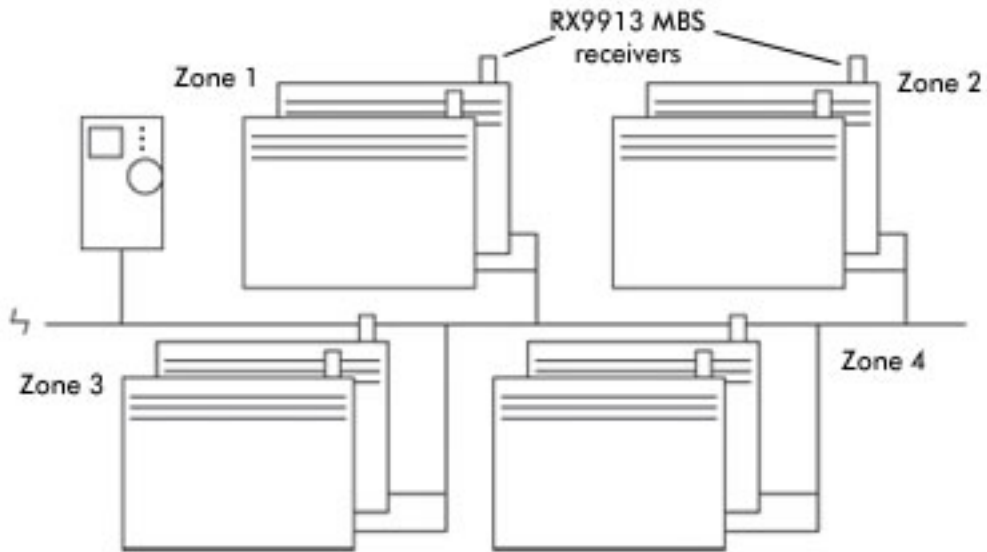
* Off mode not applicable for DuoHeat radiators.

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.

MBS Four Zone Configuration

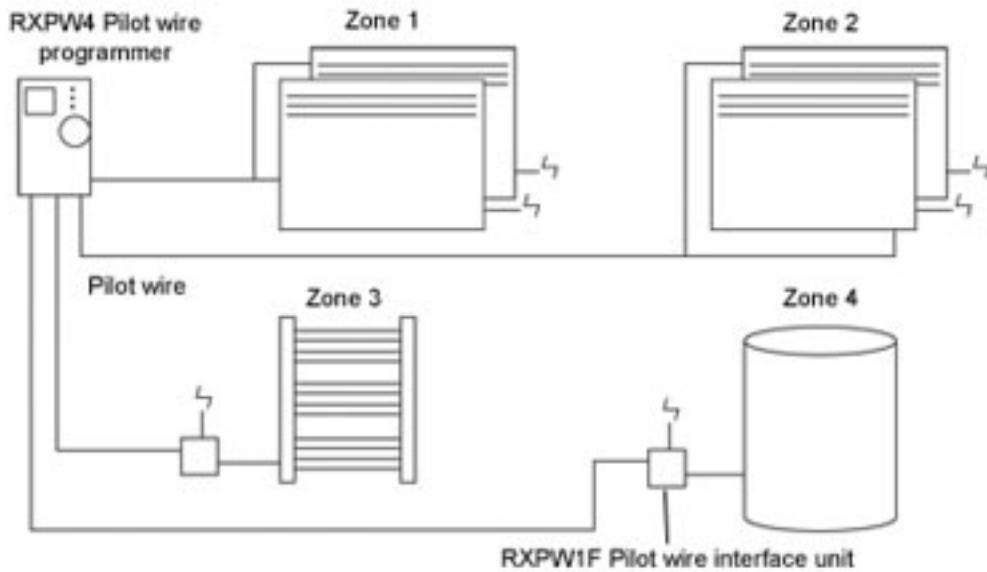


Note: Heaters and programmers should be installed on the same supply circuit, connected to the same phase. For a 3ph installation a phase coupler should be used.

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 and application). 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.

Pilot Wire Four Zone Configuration



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

Electronic panel heater controls

- [4 Zone Wall Mounted Programmers: RXPW4 and RXMBS4](#)
- [Single Zone Programming Cassettes: RX9911, RX9912 and RX9913](#)
- [Controls for ancillary appliances: RXPWIF Pilot Wire Interface Unit](#)

Panel heater controls

- [KX Range](#)
- [Heater/Controller Compatability](#)

After Sales Service

After sales service if required is absolutely no problem with Dimplex - we have a network of appointed Service Agents spread throughout the Country who are qualified and trained to repair or service any of our appliances.

Bathrooms

Any electrical appliances installed in a bathroom should be fitted by a competent electrician in accordance with the current I.E.E. Regulations. Portable heaters are NOT suitable for use in a bathroom. Unless otherwise specified, heaters that can be permanently fixed have to be so mounted that any controls cannot be reached by a person using a bath or shower. This restriction does not apply to Dimplex heated towel rails, which do not have controls.

Safety

Dimplex products are designed to comply with EN60335 the British Standard covering the safety requirements of electric heating appliances, and momentary contact with any part of the heater should not cause injury. However, in order to be effective, heaters or towel rails of any type do get hot especially (if applicable) around the air outlet grille. Therefore if aged or infirm persons, or young children, are likely to be left unsupervised in the vicinity of a heater we advise that precautions should be taken. We recommend that a guard is fitted around the heater, as is normal with many types of heating appliances in similar circumstances, to ensure contact with the heater is avoided and objects cannot be inserted into the product. Heating appliances should never be covered or positioned where objects may fall onto them.

Specifications

Dimplex policy is one of continuous improvement; the Company therefore reserves the right to alter specifications without notice. Although every care has been taken in the reproduction of product finishes in this brochure, the colour photographs should be taken only as a guide. This information is correct at the time of printing. You are advised to consult your dealer before purchasing.

Plugs

All portable appliances are supplied with a fitted plug.

British Electrotechnical Approvals Board - BEAB Approved

The mark of the British Electrotechnical Approvals Board signifies that the appliance bearing it has been produced to the stringent safety requirements for domestic electrical appliances as laid down in EN60335.

CE Mark

Products carrying the CE mark comply with European safety standards and the European Standard for electro-magnetic compatibility.

Installation Guidance

This information is designed to assist you with your choice of Dimplex products and it is not intended as an installation guide. For safety, products should only be installed by a competent person, in accordance with current regulations and the manufacturers instruction. If you require further advice concerning the installation of our products - especially where the installed dimensions may be critical to your choice and the location of the product - please consult your supplier.



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Please note that the dimensions contained within this publication do not in all cases include clearances required around installed product for safe operation.