

# PANEL HEATER CONTROLS

this product information has been extracted from

# theheatingbook

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**Tel:** Customer Services: 0870 727 0101

**Fax:** Customer Services: 0870 727 0102

**Email:** [customer.services@glendimplex.com](mailto:customer.services@glendimplex.com) **Website:** [www.dimplex.co.uk](http://www.dimplex.co.uk)

Millbrook House, Grange Drive, Hedge End, Southampton SO30 2DF Tel: 0870 077 7117 Fax: 0870 727 0109

# Electronic panel heater controls

for energy saving comfort and convenience

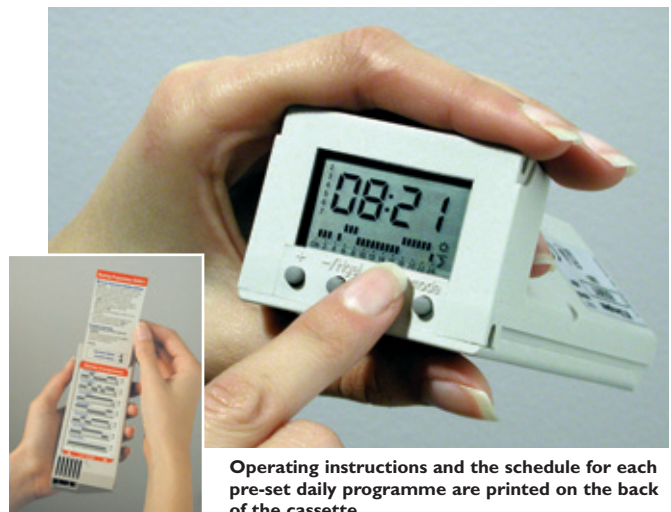
**Dimplex panel heater controllers provide fully programmable, energy saving control for the Dimplex EVX, EVS, RPX, Calidou and DuoHeat ranges, controlling heater output based on room occupancy and temperature requirements.**

**Single-zone and 2-zone versions are available, switching heaters between comfort and background temperature modes and are programmable for each hour of a 7 day period.**



## SINGLE ZONE PROGRAMMING CASSETTES

- Programming cassette installed in master heater.
- Choice of 7 pre-set daily programmes or 1 customisable programme.
- Different programme available for each day of the week.
- Switches heater between comfort and background modes.
- Other heaters connected to same circuit follow master time programme.
- Cassette can be removed from heater for easy programming.
- Pilot Wire or Mains Borne Signalling options.
- Compatible with: EVX, EVS, RPX, Calidou models.



Operating instructions and the schedule for each pre-set daily programme are printed on the back of the cassette.

## 2-ZONE WALL MOUNTED PROGRAMMER

- Wall mounted, mains powered unit.
- 2-zones, each with separate customisable user programme for each day of the week.
- Switches heater between comfort and setback modes.
- Manual programme over ride facility with automatic return to programme.
- Continuous Comfort, Setback, Frost Protection and Off modes.
- Holiday (timed absence) mode.
- Easy to install and configure.
- Pilot Wire or Mains Borne Signalling options.
- Compatible with: SPX (Pilot Wire only), EVX, EVS, RPX, Calidou and DuoHeat models.



## PILOT WIRE FEATURES

- Ideal for new build applications.
- Utilises control wire linked between each heater.
- No additional receivers necessary.
- Up to 20 heaters per zone.

## MAINS BORNE SIGNALLING FEATURES

- Ideal for use in existing buildings.
- Signals sent between heaters using existing mains wiring.
- Receiver cassette required in each slave heater.
- Electronic identity codes prevent interference with receivers in different zones/buildings.

## SINGLE ZONE PROGRAMMING CASSETTES Model Nos. RX9911 & RX9912

### ZONES

1 programmer required per zone.

### PROGRAMMES

Choice of 7 pre-set or 1 customisable programme per day, switching heater between comfort and background modes.

### MODES

Programmed, Timed Absence (up to 99 days).

### CONNECTION TO HEATERS

Pilot Wire (RX9911) – max 20 heaters per programmer.

Mains Borne Signalling (RX9912) – requires receiver cassette (RX9913) to be fitted to each slave heater.

### INSTALLATION

Plug into receptacle on panel heater.

Compatible with EVX, EVS, RPX and Calidou models only.



### POWER SUPPLY

Power provided by supply to heater – no additional supply required.

### BACK UP

Clock back up for 7 hours. Programmes are retained in non-volatile memory until over written, no back up required.

### ELECTRICAL INSTALLATION

Class II.

### IP RATING

IPX4.

## 2-ZONE WALL MOUNTED CONTROLLER Model Nos. RX010006 & RX010007

### ZONES

2-zones. Each with independent time programmes.

### PROGRAMMES

1 customisable programme per day, per zone, switching heater between comfort and background modes.

### MODES

Programmed, Continuous Comfort, Continuous Background, Continuous Frost Protection, Timed Absence (up to 99 days).

### TEMPORARY OVERRIDE

Allows current programmed setting for either zone to be manually advanced. Automatically returns to programme at next time period.

### CONNECTION TO HEATERS

Pilot Wire (model no RX010006) – max 20 heaters per zone.

Mains Borne Signalling (model no RX010007) – requires receiver cassette (RX9913 for panel heaters or RX03002 for DuoHeat radiators) to be fitted to each heater.

### INSTALLATION

Wall mounted at any location in building. Compatible with SPX (RX010006 pilot wire only), EVX, EVS, RPX, Calidou and DuoHeat models.

### POWER SUPPLY

230V ±10%.

### BACK UP

Clock back up for 4 hours. Programmes are retained in non-volatile memory until over written, no back up required.

### ELECTRICAL INSTALLATION

Class II.

## PILOT WIRE CONNECTION

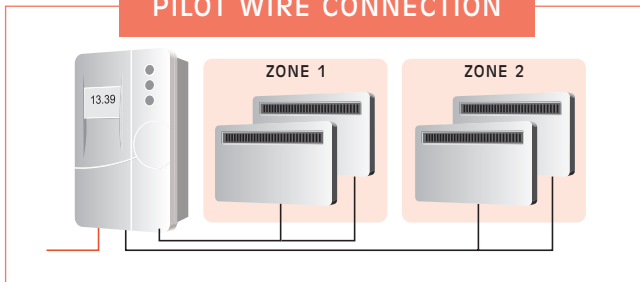


Diagram shows 2-zone configuration. Using single zone programming cassettes, 1 programmer for each zone is required.

- Master control (RX9911 for single zone or RX010006 for two zone) transmits a control signal using 4th core pilot wire of the mains cable
- Pilot wire is a 240V live conductor carrying a low current signal to activate the various modes on the heater electronic control
- To connect heaters, all pilot wires on a circuit must be joined through the supply circuit, either using an additional live conductor or a suitable 4 core cable
- Using hard wired signalling, no receiver is needed, offering a cost effective means of central control

## MAINS BORNE SIGNALLING

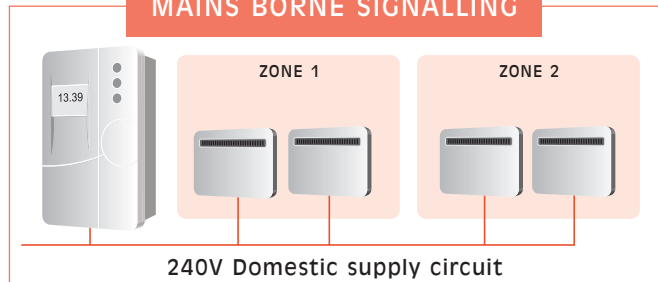


Diagram shows 2-zone configuration. Using single zone programming cassettes, 1 programmer for each zone is required.

- Uses standard twin and earth wiring to carry modulated signal
- To ensure signal integrity, the programmer will continue to send signal to heaters until confirmation is received back
- To protect against signal leakage from the property, each controller/receiver interface has a 4 digit identity code programmed at installation
- The MBS system comprises of a master control (RX9912 for single zone or RX010007 for two zone) and receiver modules (RX9913 for panel heaters or RX03002 for DuoHeat radiators) fitted to each slave heater
- Heaters and programmers should be installed on the same supply circuit, connected to the same phase

## 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. A list of Service Agents is available on request.

## 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 in this brochure, 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 appliance in similar circumstances, to ensure contact with the heater is avoided and objects cannot be inserted into the product.

(Please see page 38 for details of accessory guards.)

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. The information contained in this brochure 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 brochure 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 instructions. 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 contact our customer service department on 0870 727 0101 or consult your installer.

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

## Useful Numbers

**Tel:** Customer Services: 0870 727 0101  
Brochure line: 0870 727 0115

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Brochure line: 0870 727 0123

**Email:** [customer.services@glendimplex.com](mailto:customer.services@glendimplex.com)

**Website:** [www.dimplex.co.uk](http://www.dimplex.co.uk)

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# Dimplex®

## Making life comfortable

Marketing Department, Millbrook House, Grange Drive, Hedge End, Southampton, SO30 2DF Telephone: 0870 077 7117 Fax: 0870 727 0109

Designed and produced by Carrington Caunter Associates Limited, Christchurch (Bournemouth), Telephone 01202 499612

Selected furniture supplied by BoConcept, Bournemouth / The Furnishing Place, Maidenhead.

Kitchens from Interfit Design Studio, New Milton, Hants. Locations courtesy of: Broomhill Conservatories, Christchurch, Dorset.  
Coastal Bathrooms, New Milton, Hants. Everton Nurseries Ltd, Everton, Hants.