

The Duo range

Features

- Patented 'smart' heat manager automatically controls output level from each heat source, optimising controllability and economy.*
- Single, simple to use and understandable electronic control, with child lock facility.
- Energy-efficiency savings of up to 10% compared with traditional off-peak electric heating systems, recognised by SAP2005, the tool for showing compliance with Part L of the Building Regulations.
- Compatible with Dimplex four-zone, wall-mounted pilot wire and mains borne signalling multi-heater programmers.
- Stylish, slimline design with concealed outlet grille.
- Heat output provided by a combination of off-peak and standard-rate electricity sources.
- Pre-wired electrical connections.
- Simple, secure wall fixings.
- Snap-fit feet.
- Easy-fit front panel connections.
- Compatible with all off-peak tariffs.

*Patent number: GB2384300.



Model DUO400N

By providing heat from an automatically managed mix of off-peak and direct-acting sources, DuoHeat provides the flexibility and controllability to match users' lifestyles and ensures plenty of heat is available throughout the day or evening whenever it's needed, while keeping running costs low.

Controls



Model DUO400N



Room temperature controls

Integral user-adjustable electronic room thermostat, controlling both front panel element operation and temperature. Set via LED membrane display on top of heater. Child lock facility.

Input charge control

Electronic room temperature sensing thermostat with external sensor. Limits charge in relation to room temperature during charge period. User selectable setting.

Thermal safety devices

Automatic reset core limit thermostat and manual reset over temperature cut-out.

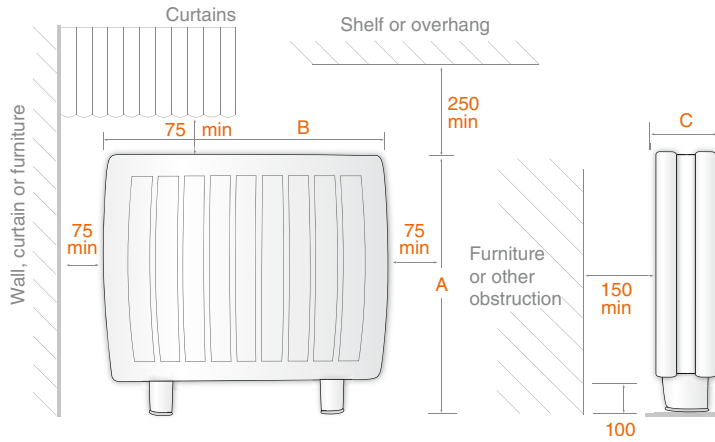
Central control

Enabled for pilot-wire connection as standard. Mains borne controller (RXMBS4) and mains filter (RXMBSF4) is required. Each DuoHeat radiator also requires a receiver (RX03002) for signalling connection. See pages 34-35 for central control compatibility details.

Controller mode	Heater function
Comfort	Heater functions at electronic thermostat setting.
Setback	Temperature controlled at 2°C below electronic thermostat setting.
Frost protection	No front panel operation. Off-peak elements maintain frost protection.

Technical information

Dimensions and clearances (mm)



Model	DUO300N	DUO400N	DUO500N
Height A	712mm	712mm	712mm
Width B	600mm	830mm	1060mm
Depth C	130mm + 10mm	130mm + 10mm	130mm + 10mm
Weight (installed)	65kg	94kg	124kg
Nominal output	0.7kW	1.0kW	1.4kW
Charge acceptance	9.1kWh	13.65kWh	18.2kWh
Background/input	1.3kW	1.95kW	2.6kW
Radiant	0.38kW	0.47kW	0.54kW

Colour/finish

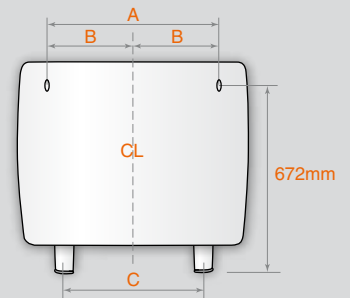
White and grey.

Installation

Off-peak supply – located at front 1.6m three core, 2.5mm² cable.

24-hour supply – located at front right hand end of base. Pre-wired with 1.6m four core, 0.75mm² cable (for pilot wire control).

Fixing dimensions



Model	DUO300N	DUO400N	DUO500N
Width A	424mm	652mm	880mm
Width B	212mm	326mm	440mm
Width C	295mm	523mm	751mm

