

INFRARED QUARTZ HALOGEN HEATER CONTROL BOX

What is an Infrared Quartz Halogen Heater Control Box?

A control box designed to simplify and accelerate multi-quartz halogen heater installations. Typical HC control box setups require less cabling, fewer MCBs or RCBs, and fewer junction boxes. Installation is faster, with each circuit individually fused, and end users can easily adjust the heat intensity of multiple heaters from a single, simple controller.







Control Panel Features

- For use with HN3 halogen heaters (see pages 58-59)
- Up to 6 heaters controlled from a single control box
- For larger installations up to 10 boxes can be connected by data cable to use one wall controller
- Frost thermostat can be connected to control box overriding all other controls
- Soft start switching prolongs lamp life
- Compact design – overall dimensions 310 x 350 x 80mm (W x H x D)
- Note: this system cannot be used with linear heaters.

Controller Features

- Connected to control panel using data cable
- Manual selection 3kW heaters - off / half heat / full heat
- Manual selection 4.5kW or 6kW heaters - off / 1/3 heat/ 2/3 heat / full heat
- Built-in run-down timer (if required) programmable between 5 minutes and two hours activated by remote-mounted push button (HC-B)
- IP66 rough service controllers available **NEW**
- Each system requires one wall controller (HC-C1, HC-CRS or HC-TMRS)

Control Boxes

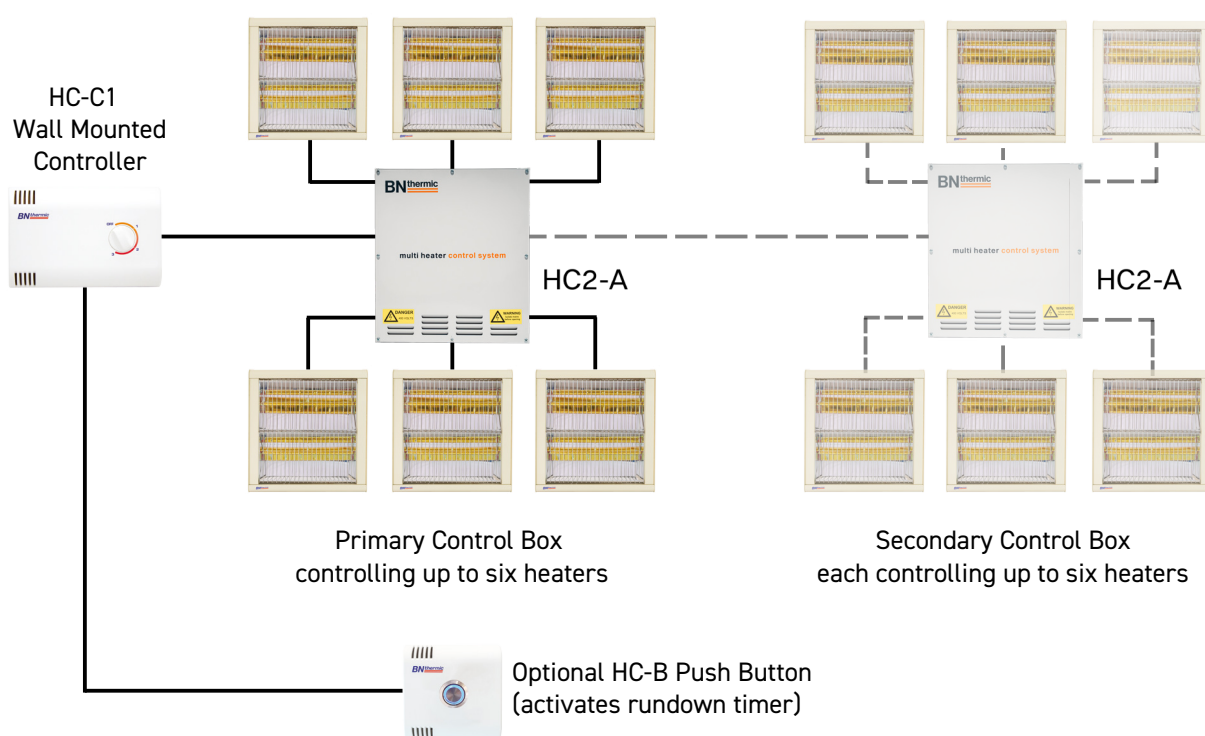
Model	Description
HC2-A	Control box for up to six 3kW heaters*
HC3-A	Control box for up to four 4.5 or 6kW heaters
HC-C1	Controller (see page 140)
 HC-CRS	IP66 rough service controller (see page 140)
 HC-TMRS	IP66 rough service controller with run down timer (see page 141)

*Not suitable for linear models

Ancillary System Components

Model	Description	Details
HC-B	Push Button to activate HC-C1 run-down timer	Page 140
FST-RS	Optional frost thermostat	Page 121
DX05	Cat5 cable terminated 5m (white)	-
DX10	Cat5 cable terminated 10m (white)	-
DX20	Cat5 cable terminated 20m (white)	-
JX1	Cat5 Cable Joiner	-

Cat5 cable used to connect controller to a control box and to interconnect control boxes



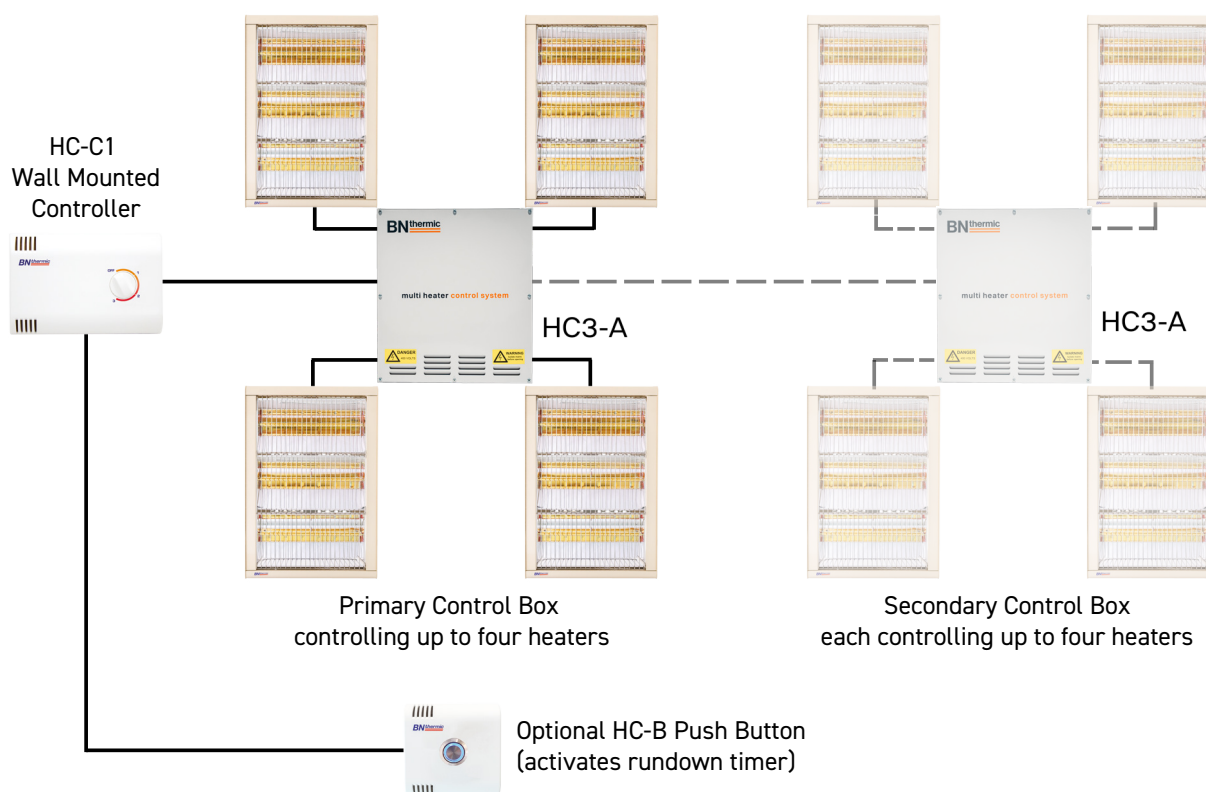
Controlling HN3-30 (3kW) Heaters each with 2 Lamps

Each HC2 control box will control up to six heaters. The HC-C1 controller allows the heaters' lamps to be switched individually meaning that outputs of 1.5kW or 3kW can be selected.

400V 3ph & N supply required.

For larger installations up to 10 control boxes can be connected in a control daisy-chain with each controlling up to six heaters.

Note: this system cannot be used with linear heaters.



Controlling HN3-45 (4.5kW) Heaters or HN3-60 (6kW) Heaters each with 3 Lamps

Each HC3 control box will control up to four heaters. The HC-C1 controller allows the heaters' lamps to be switched individually meaning that outputs of $\frac{1}{3}$, $\frac{2}{3}$ or full power can be selected.

400V 3ph & N supply required

For larger installations up to 10 control boxes can be connected in a control daisy-chain with each controlling up to four heaters.