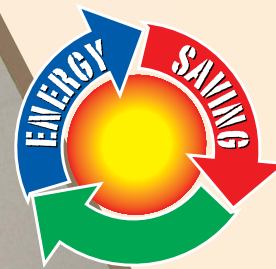


## RP Radiant Ceiling Panels

- Providing a sophisticated noise and draught free means of heating commercial premises
- Low running costs
- Extra safety as personnel have no access to heaters
- Ceiling mounting allows flexible use of floor and wall space and does not interfere with activities



### Typical Applications

- Care Homes
- Trade Counters
- Offices
- Meeting Rooms

The installed load must exceed the heat loss from the entire area.

RP black heat radiant cassettes are not ideally suited to 'spot heating' applications although they can provide a localised temperature boost within a larger space, perhaps over a work station.

### Features Common to all Models

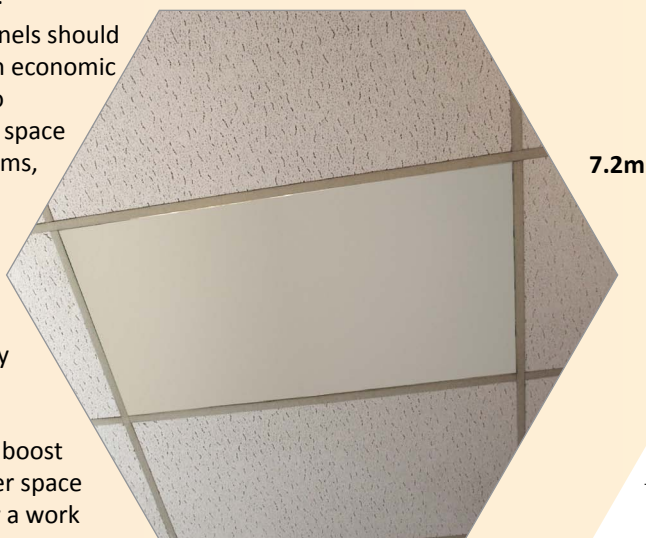
- Specifically designed for quick and easy installation into suspending ceilings
- Bracket supplied for easy mounting onto a conventional ceiling
- Attractive white finish
- Fully enclosed steel case conforming to IP44
- Integral insulation layer ensures that radiant energy is directed into the room
- Suitable for mounting heights up to 4m

RP-03 provides an almost invisible source of gentle radiant heat

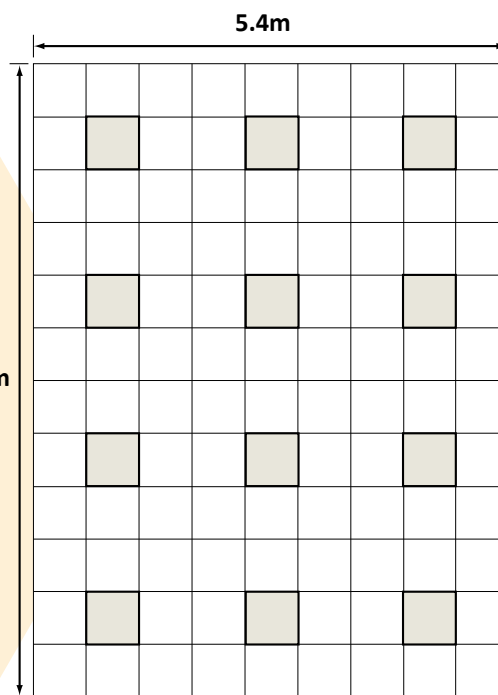
### Selection and Installation

The total load of the selected RP Ceiling Panels should exceed the heat loss from the building in cold conditions. The heaters should be positioned so that the space between the heaters is no greater than the distance between the heaters and the floor.

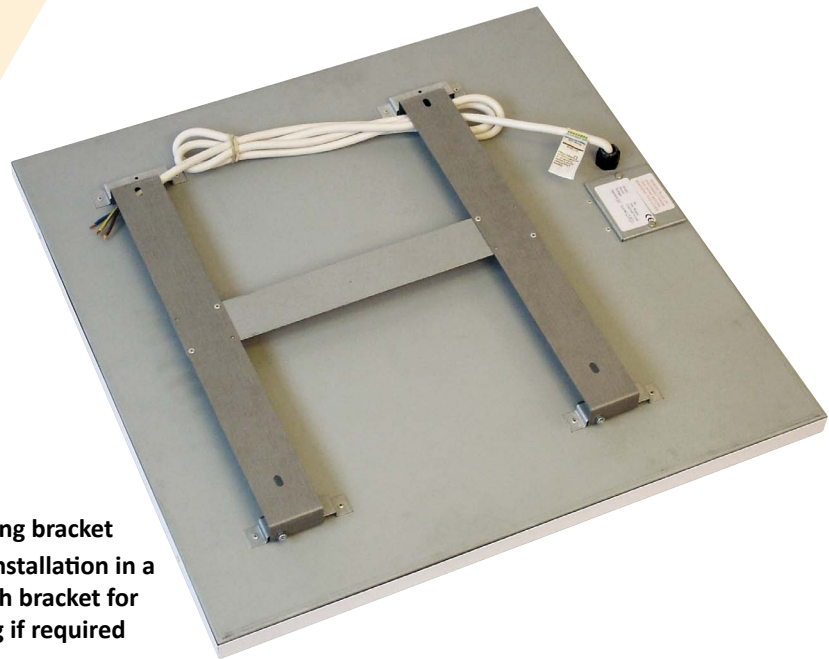
RP Ceiling Panels should be seen as an economic alternative to conventional space heating systems, they are not ideally suited to 'spot heating' applications although they can provide a localised temperature boost within a larger space perhaps over a work station.



RP-06 specifically sized for easy installation in a 1200 x 600 ceiling grid but supplied with bracket for mounting onto a conventional ceiling if required



Typical arrangement of RP-03 ceiling panels in a 600 x 600 ceiling grid



**Reverse side RP-03 showing mounting bracket**  
 The RP-03 is specifically sized for easy installation in a 600 x 600 ceiling grid but supplied with bracket for mounting onto a conventional ceiling if required

## Energy Saving

RP Ceiling Panels are a more economic means of heating commercial premises than conventional heating systems.

- The gentle radiant effect means that the 'experienced temperature' can be up to 4°C warmer than the actual air temperature. This means that the thermostat can be set up to 4°C lower.
- The temperature gradient is negligible. Typically air temperature will increase by 0.3°C per metre above floor level. This figure compares to a typical 2.5°C per metre when using fan heaters.

## Controlling RP Radiant Ceiling Panels

BN Thermic's Hard Case range of tamperproof electronic control devices is ideally suited to controlling a radiant heating system. Its tamperproof design enhances the system's economy by ensuring that only authorised personnel can adjust the temperature setting. A Hard Case electronic control device can directly control a load of up to 3kW. Larger loads and 3 phase loads can be controlled via a suitably rated contactor (see page 63).

RP Radiant Ceiling Panels - Specifications						
Model	Volts	kW	Dimensions (mm)			Weight (kg)
			H	W	D	
RP-03	230	0.3	25	595	595	5
RP-06	230	0.6	25	1195	595	10

Remote Electronic Control Device		
Model	Description	Full Details on Page
HC-T2	Tamperproof Electronic Control Device 16A	54
HC-D	Tamperproof Tool for HC-T2	56

This table only shows the basic HC-T2 Hard Case Electronic Control Device. However it is possible that an alternative model from the Hard Case Range may be more suitable for any given installation. Please see page 54 for full details of the Hard Case range.



**HC-T2 Energy Saving Tamperproof Electronic Control Device**



**HC-D Tamperproof Tool for HC-T2**  
 Ensuring that only authorised personnel can adjust temperature settings