

## HWP2 Patio Heater

- Providing safe, instant comfort heat in outdoor locations
- Ensures the maximum use of outdoor facilities
- Minimal maintenance especially when compared to gas systems
- Low running costs by selecting from a range of control options
- Smart modern design complementing external decor

### Typical Applications

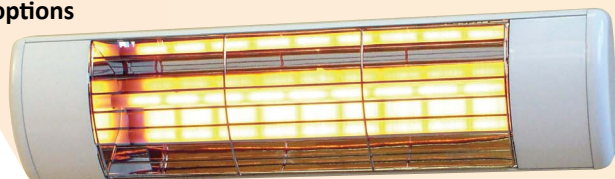
- Patios – both commercial and domestic
- Pub gardens
- Pavement cafes
- Golf driving ranges
- Nightclub queuing areas
- Smoking areas

### Features Common to all Models

- IP55 rating allowing the heater to be installed and left outdoors throughout the year
- Aluminium construction with stainless steel safety grille
- High quality halogen lamp with 7000 hours average operating life
- Halogen lamp is easily replaceable
- Choice of black, white or silver finish
- Wall mounting bracket and parasol clamp supplied as standard
- Open fronted design provides a 25% increase in heating efficiency when compared with glass-fronted heaters



HWP2-B



HWP2-W



HWP2-3B



HWP2-S

### Controlling HWP Patio Heaters

As HWP patio heaters are 100% effective the instant they are switched on, we recommend a control system that will de-energise a heater when heating is not required. This can be achieved by means of a Push Button Timer or a Movement Detector.

#### Push Button Timer

The BN Thermic TS-3 is a compact, surface mount, weatherproof device conforming to IP66. A simple push button will energise a heater or heaters for a pre-programmed period between 2 minutes and 2 hours. Once this period has elapsed the heating will be automatically switched off until the button is pushed again. The device is vandal resistant and tamperproof meaning only authorised personnel can adjust the time settings. For full details of the TS-3 see page 57.

The TS-3 has a switching capacity of 16A. It can therefore directly switch a combined load of up to 3kW. Larger loads or 3-phase loads can be switched via a suitably rated contactor (see page 63).



**TS-3 Timer**  
Energy saving timer  
weather-proof to IP66

#### Movement Sensor

The BN Thermic WH-402 is a compact, surface mount, weatherproof device conforming to IP55. The WH-402 will detect movement in an area up to 12m from its mounting position in a 180° arc. Both distance and angle of detection can be reduced if required. Once movement has been detected, the heating will be switched on. If no further movement is detected within a pre-programmed time period (5 seconds to 18 minutes) the heating will be automatically switched off. For full details of the WH-402 see page 62.

The WH-402 has a switching capacity of 16A. It can therefore directly switch a combined load of up to 3kW. Larger loads or 3-phase loads can be switched via a suitably rated contactor (see page 63).



**WH-402**  
Energy saving device  
ensuring that heating  
is switched off when  
an area is unoccupied

## Dimmer

In specific applications there may be a need to adjust the intensity of the heat output from a HWP patio heater. The BN Thermic VR-1 provides adjustment between 0% and 100% of heater output. It also has a definite 'click' to off allowing it to be used as an on/off switch. The VR-1 is a surface mount device but is not suitable for outdoors installation. For full details of the VR-1 see page 62.

The VR-1 has a switching capacity of 13A. It can therefore directly switch a combined load of up to 3kW. For larger loads more than one VR-1 dimmer will be required.

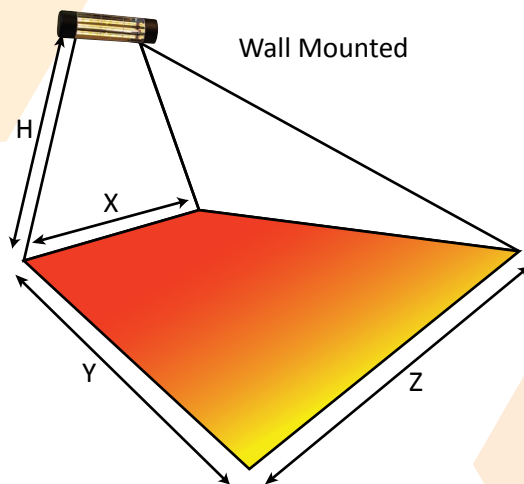


**VR-1**  
Dimmer switch for fine adjustment of heater output

## Patio Heater Selection

Use the following diagram and table to select the optimum mounting position. In an exposed location and where mounting height is relatively high, we recommend installing a 2kW or 3kW heater.

**HWP2 patio heaters providing instant economic heat at the Romans Pub, Southwick, West Sussex.**



### Area covered by the heater

| Heater Output | Wall Mounted |      |      |      | Area Covered       |
|---------------|--------------|------|------|------|--------------------|
|               | H            | X    | Y    | Z    |                    |
| 1.5kW         | 2.0m         | 2.3m | 2.4m | 4.0m | 7.6m <sup>2</sup>  |
| 1.5kW         | 2.5m         | 3.0m | 3.0m | 5.2m | 12.3m <sup>2</sup> |
| 2kW           | 2.0m         | 2.3m | 2.4m | 4.0m | 7.6m <sup>2</sup>  |
| 2kW           | 2.5m         | 3.0m | 3.0m | 5.2m | 12.3m <sup>2</sup> |
| 3kW           | 2.0m         | 2.6m | 2.4m | 4.5m | 8.5m <sup>2</sup>  |
| 3kW           | 2.5m         | 3.4m | 3.0m | 5.8m | 13.8m <sup>2</sup> |

## HWP2 Patio Heater - Specifications

| Model   | Volts | kW  | Finish | Dimensions (mm) |     |     | Weight (kg) |
|---------|-------|-----|--------|-----------------|-----|-----|-------------|
|         |       |     |        | H               | W   | D   |             |
| HWP2-W  | 230   | 1.5 | White  | 120             | 480 | 120 | 1.7         |
| HWP2-B  | 230   | 1.5 | Black  | 120             | 480 | 120 | 1.7         |
| HWP2-S  | 230   | 1.5 | Silver | 120             | 480 | 120 | 1.7         |
| HWP2-2B | 230   | 2.0 | Black  | 120             | 480 | 120 | 1.7         |
| HWP2-3B | 230   | 3.0 | Black  | 120             | 960 | 120 | 3.2         |

## Replacement Lamps

| Model    | Description                     |
|----------|---------------------------------|
| RL15CW   | 1.5kW Lamp                      |
| RL15GW/3 | 1.5kW Lamp for 3kW Patio Heater |
| RL20GW   | 2kW Lamp                        |

## Optional Remote Mounted Control Devices

| Model  | Description             | Full Details on Page |
|--------|-------------------------|----------------------|
| WH-402 | Movement sensor (16A)   | 62                   |
| TS-3   | Push button timer (16A) | 57                   |
| VR-1   | Dimmer (13A)            | 62                   |