

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

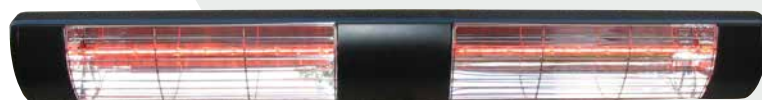
- IP55 rating allowing the heater to be installed and left outdoors throughout the year
- Aluminium construction with stainless steel safety grille
- High quality halogen lamp with 7000 hours average operating life
- Halogen lamp is easily replaceable
- Choice of black, white or silver finish
- Wall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



HWP2-B



HWP2-W



HWP2-3B



HWP2-S



HWP2-45B

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.

TS-3 Push Button Timer (pre-programmed time delay)

The TS-3 is a compact surface-mount, weatherproof device which 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 automatically be switched off until the button is pushed again. The TS-3 is rated IP66 making it safe for outdoor use.

The TS-3 can switch loads up to 3kW directly and larger loads via a suitable contactor.

TS-5 High Capacity Soft Start Timer

The TS-5 timer is designed for direct switching of patio heaters with a combined load of up to 6kW. The time delay period can be adjusted from 5 minutes to 70 minutes and once this time period has elapsed the heating will be switched off automatically. The device is rated IP55 making it completely safe for outdoor installation. The built-in triac provides 'soft start' prolonging lamp life and reducing stress on the mains supply. The TS-5 includes terminals allowing the device to be connected to a remote programmable timer and/or a thermostat.

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



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



**TS-5 Weatherproof
Timer for larger loads**



WH-402
Movement sensor

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 73.

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 68).



VR-1
Dimmer switch for fine adjustment of heater output

Dimmer

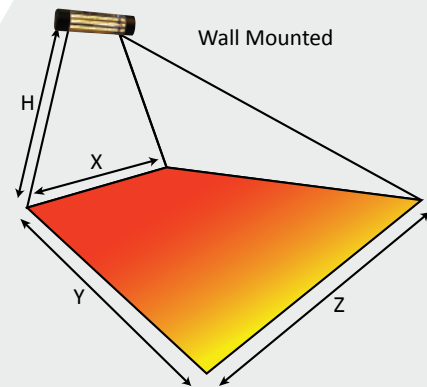
In specific applications there may be a need to adjust the intensity of the heat output from a HWP patio heater. The BN Thermic VR-1 provides adjustment between 0% and 100% of heater output. It also has a definite 'click' to off allowing it to be used as an on/off switch. The VR-1 is a surface mount device but is not suitable for outdoors installation. For full details of the VR-1 see page 73.

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.

A weatherproof dimmer will be available shortly – call us for details

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 ²
1.5kW	2.5m	3.0m	3.0m	5.2m	12.3m ²
2kW	2.0m	2.3m	2.4m	4.0m	7.6m ²
2kW	2.5m	3.0m	3.0m	5.2m	12.3m ²
3kW	2.0m	2.6m	2.4m	4.5m	8.5m ²
3kW	2.5m	3.4m	3.0m	5.8m	13.8m ²
4.5kW	2.0m	7.5m	2.4m	12.0m	23.4m ²
4.5kW	2.5m	9.0m	3.0m	15.6m	26.9m ²



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, 3kW or 4.5kW heater.

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
HWP2-45B	230/400	4.5	Black	120	1440	120	6.4

Replacement Lamps

Heater Output	Qty	Model	Description
1.5kW	1	RL15CW	1.5kW Clear Lamp
2kW	1	RL20GW	2kW Gold Lamp
3kW	2	RL15GW/3	1.5kW Gold Lamp
4.5kW	1	RL15GW	1.5kW Gold Lamp (centre lamp)
4.5kW	2	RL15GW/4	1.5kW Gold Lamp (outside lamps)

Optional Remote Mounted Control Devices

Model	Description	Full Details on Page
WH-402	Movement sensor (16A)	73
TS-3	Push button timer (16A)	72
TS-5	Soft Start timer (6kW)	73
VR-1	Dimmer (13A)	73