

## CH Ceramic Heaters

- Providing virtually instant comfort heat in a variety of commercial and industrial buildings.
- Especially suited to irregularly used buildings where conventional space heating is impractical.
- Avoids the light output associated with shortwave infrared heaters
- Ideally suited to spot heating a defined area within an otherwise unheated space
- Low running costs by selecting from a range of control options

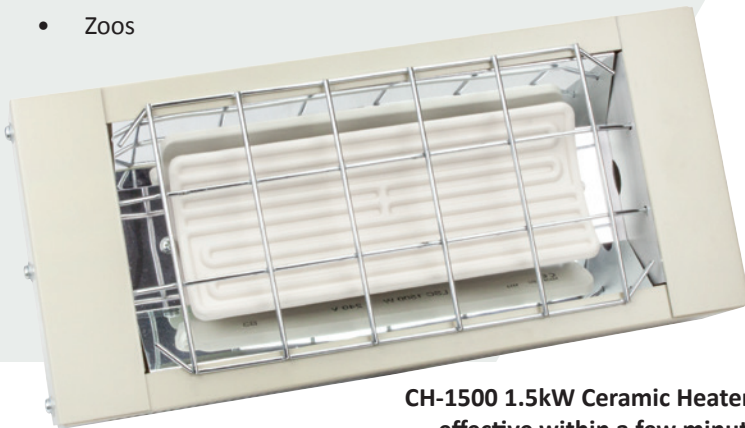
### Typical Applications

Please note ceramic heaters are best suited to buildings with relatively low ceilings

- Community halls
- Workshops
- Kennels
- Zoos



CH-3000 3kW Ceramic Heater providing directional radiant heat without light output



CH-1500 1.5kW Ceramic Heater fully effective within a few minutes

### Features Common to all Models

- Aluminium construction with safety grille
- Long life ceramic heat emitters
- High quality ivory paint finish
- Wall mounting bracket and providing 'up and down' and 'side to side' angle adjustment

### Controlling CH Heaters

As CH ceramic heaters are 100% effective within four minutes of being 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 – TS-6 pre-programmed time delay

The BN Thermic TS-6 is a compact, surface mount, weatherproof device conforming to IP66. A simple touch activated 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-6 see page 79.

The TS-6 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 73).

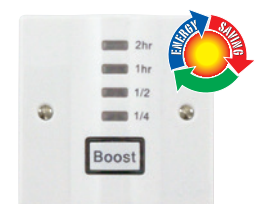
#### Push Button Timer – TS-4 user selectable time delay

The BN Thermic TS-4 is designed for installation into a standard single-gang back box. A simple push button provides 15 minute / 30 minute / 1 hour / 2 hour settings. Once the selected period has elapsed the heating will be automatically switched off until the button is pushed again. The time setting can be changed at any point during the cycle and the timer also provides a means of switching the heating off. For full details of the TS-4 see page 79.

The TS-4 has a switching capacity of 13A. 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 73).



TS-6 Energy - saving device with time delay selected by authorised personnel



TS-4 Energy - saving device allowing time delay selected and altered easily

## TS-5 High Capacity Soft Start Timer

The TS-5 timer is designed for direct switching of 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 whilst the built-in triac reduces 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.



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

## 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 80.

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 73).



**WH-402  
Movement sensor**

## CH Ceramic Heaters - Specifications

Model	Volts	kW	Dimensions (mm)			Weight (kg)
			H	W	D	
CH-1500	230	1.5	190	405	72	1.8
CH-3000	230	3.0	345	405	72	2.8

## Optional Remote Mounted Control Devices

Model	Description	Full Details on Page
WH-402	Movement sensor (16A)	80
TS-6	Push button timer (16A)	79
TS-4	Push button timer - user selectable time delay (13A)	79
TS-5	Soft Start timer (6kW)	80



**CH-1500 Ceramic  
Heaters providing an  
economic means of  
heating a community  
hall**

**Bracket providing  
'up and down'  
adjustment**



**Bracket fitted with  
extension arm providing  
'up and down' and  
'side to side' adjustment**