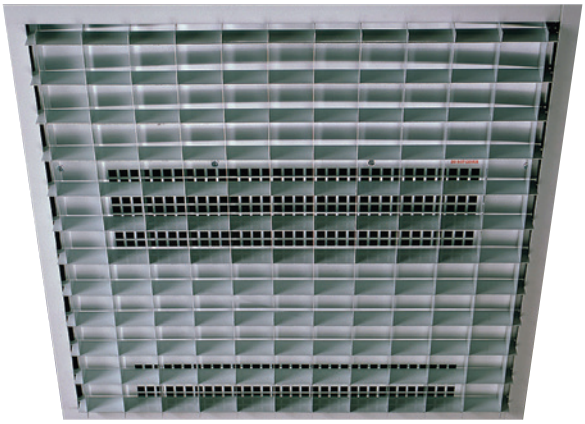
# CHS System Multi-heater System for 600 x 600 Ceiling Grid

- **Fastest possible installation time for a multi-heater system**
- **Efficient and economic temperature control without the need for external contactors or relays**
- **Ceiling mounting position allows free use of floor and wall space, an important consideration in retail premises**
- **First class whole life value from a product built to the highest possible standard and designed to give many years of trouble free service**



**CHS heater installed in a 600 x 600 ceiling grid as part of a multi-heater system**

## Typical Application

- Larger retail outlets requiring a number of heaters

## The CHS System

The CHS system allows a group of ceiling heaters to be controlled by a single CS-1 remote mounted controller and/or a single remote mounted thermostat. The CHS system comprises one 'master' heater and any quantity of 'slave' heaters.

## Features

- Designed to rest in the T bar of a 600 x 600 suspended ceiling grid
- Air inlet and outlet through front panel – no requirement for air supply from the ceiling void
- White aluminium egg-crate diffuser
- Pre-wired to rear mounted terminal enclosures
- Auto-reset over-temperature protection
- Insert Depth only 153mm (Installation requires 200mm clearance above ceiling grid)
- Simple reduction of output to 2kW by removal of link in rear mounted enclosure
- Can be mixed and matched with the SMH-R range of heaters (see page 32)

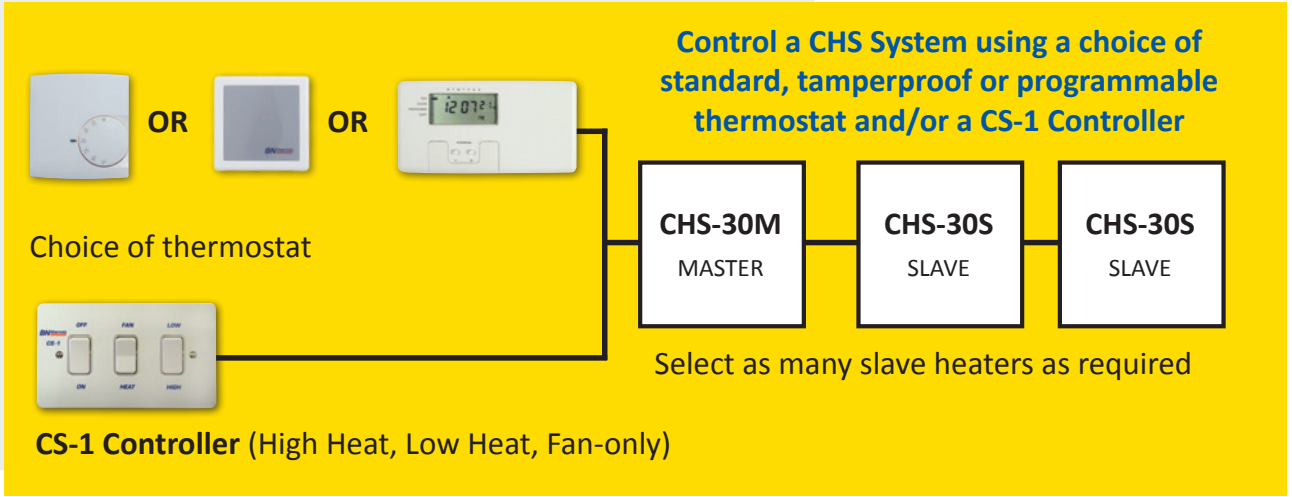
**CHS Multi-Heater System - Specifications**

| Model | kW | Master/Slave | dB* @2m | Recommended Mounting Height (m) | Weight (kg) |
|---|---|---|---|---|---|
| **CHS-30M** | 3.0 | Master | 56 | 2.4 - 3.0 | 9 |
| **CHS-30S** | 3.0 | Slave | 56 | 2.4 - 3.0 | 9 |

*Noise levels are factory tested, not laboratory tested.

## Controlling a CHS System

The main benefit of selecting a CHS multi-heater system is that control devices can be easily linked to the group of heaters. In most cases a wall-mounted controller (CS-1) and a suitable thermostat are used in unison. However, where preferred, the controller or thermostat can be used as the sole means of control.



## Wall-mounted controller

The CS-1 controller should be wall-mounted in a convenient location and connected to the 'master' heater is the CHS system. It will provide the following settings:

- On
- Off
- Low heat
- High heat
- Fan only

# Choice of Thermostats

## Adjustable wall-mounted thermostat

BN Thermic's RST-IN standard, commercial grade thermostat provides accurate temperature control and allows easy adjustment of temperature set-point.

## Tamperproof wall-mounted thermostat

To prevent wilful or casual adjustment of temperature set point, we recommend the RST-TP tamperproof thermostat. The set-point adjustment knob is concealed under the thermostat's cover and optional 'shear-off' fixing screws are provided for complete security.

## Programmable wall-mounted thermostat

The PROSTAT-7 is a seven day programmable thermostat which allows the heating system to be controlled to match the pattern of use. Temporary and permanent overrides are provided.

**Remote Mounted Control Devices for a CHS System**

| Model | Description | Full Details on Page |
|---|---|---|
| **CS-1** | Remote mounted controller | 78 |
| **RST-IN** | Standard room thermostat | 76 |
| **RST-TP** | Tamperproof thermostat 20A | 78 |
| **PROSTAT-7** | 7 day programmable thermostat | 77 |

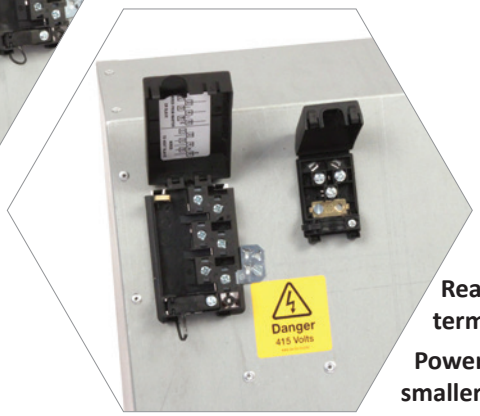

**CS-1 Controller Providing on/off/high heat/low heat/fan only settings**

**RST-IN Standard Thermostat**


**RST-TP Energy Saving Tamperproof Thermostat**

**PROSTAT-7 7-day programmable thermostat for maximum economy**

**Rear view of CHS-30M showing terminal enclosures allowing quick and easy connection to any number of slave heaters**




**Rear view of CHS-30S showing terminal enclosures**

**Power is connected to the smaller enclosure**