



- Low profile ceiling heaters allowing free use of floor and wall space
- UK manufactured high quality heater providing years of trouble-free service
- Quick hassle free installation

Typical Applications

- Shops that do not have suspended ceilings
- Over door heating where space is limited

Features

- Choice of basic models or SMH-R multi-heater system for larger premises
- Compact design for minimum visual impact
- Simple keyhole screw fixing to conventional ceiling
- M8 threaded holes for suspension by drop rods if required
- Access to terminal enclosure by removable side panel
- Multiple knockouts for cable entry
- Auto-reset over-temperature protection
- Simple reduction in output by removal of link in terminal enclosure (3kW reduced to 2kW, 4.5kW reduced to 2.25kW)
- Can be mixed and matched with the CHS range of heaters (see page 30)



Basic SMH or SMH-R multi-heater system?

For smaller premises where perhaps only one heater is required, select a basic model. For larger premises where a number of heaters are required select the SMH-R system allowing a group of heaters to be controlled by a single CS-1 controller and/or a single remote mounted thermostat. An SMH-R system comprises one 'master' heater and any number of 'slave' heaters.

Physical Data

Dimensions	576mm x 434mm x 180mm high
Weight (3kW models)	11.5kg
Weight (4.5kW models)	12.5kg

SMH Surface-Mount Ceiling Heaters (basic models) – Specifications

Model	Volts	kW	Airflow (m ³ /h)	Controls	dB* @2m	Recommended Mounting Height (m)
SMH-30	230	3.0	220	Remote (select option)	56	2.4 – 3.0
SMH-30E	230	3.0	220	Built-in Electronic Thermostat	56	2.4 – 3.0
SMH-45	230	4.5	330	Remote (select option)	60	3.0 – 4.0

*Noise levels are factory tested not laboratory tested

SMH-R Surface-Mount Ceiling Heaters (multi-heater system) – Specifications

Model	Volts	kW	Airflow (m ³ /h)	Master/Slave	dB* @2m	Recommended Mounting Height (m)
SMH-R30M	230	3.0	220	Master	56	2.4 – 3.0
SMH-R30S	230	3.0	220	Slave	56	2.4 – 3.0

*Noise levels are factory tested not laboratory tested

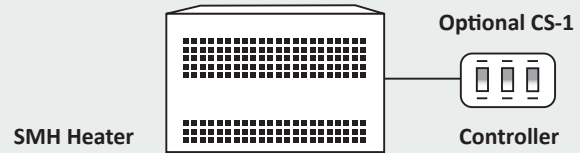
Controlling Basic SMH Heaters

There are three control options. In each instance the control devices are connected to a convenient terminal enclosure located behind the removable side panel. Each heater will require dedicated control. For multi-heater installations we recommend the SMH-R heaters (see overleaf).

Remote Mounted Controller

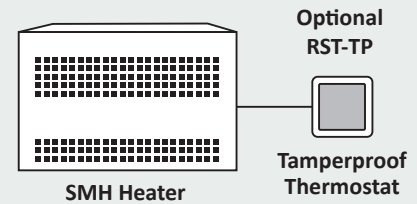
The CS-1 controller should be wall-mounted in a convenient location providing the following settings:

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



Remote Mounted Tamperproof Thermostat

The RST-TP wall-mounted 20A thermostat will provide accurate temperature control for both 3kW and 4.5kW heaters. Remote thermostatic control is not suitable for the SMH-30E which is supplied with a built-in thermostat. The RST-TP's tamperproof design prevents casual adjustment of the temperature settings.

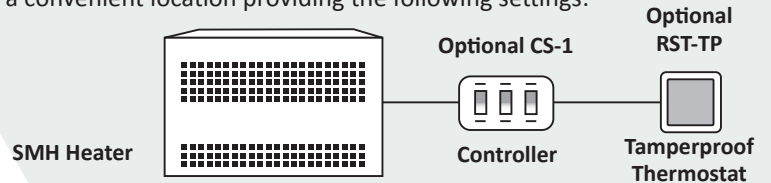


Combination of Remote Mounted Controller and Tamperproof Thermostat

This combination of control devices provides both manual and accurate thermostatic control.

The CS-1 controller should be wall-mounted in a convenient location providing the following settings:

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



The RST-TP wall-mounted 20A thermostat will provide accurate temperature control for both 3kW and 4.5kW heaters. Remote thermostatic control is not suitable for the SMH-30E which is supplied with a built-in thermostat. The RST-TP's tamperproof design prevents casual adjustment of the temperature settings.

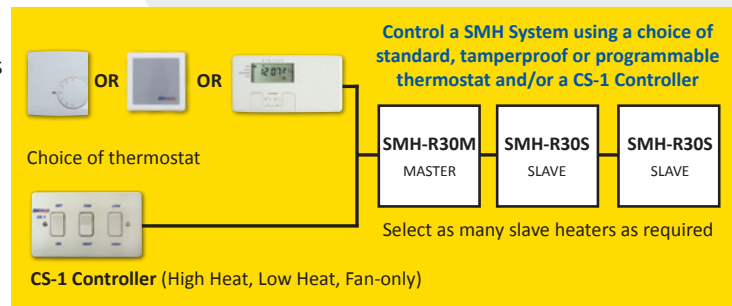
Controlling SMH-R models (multi-heater system)

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

Remote Mounted Controller

The CS-1 controller should be wall-mounted in a convenient location providing the following settings

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



Choice of Thermostat

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. 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			
Model	Description	Suitable For	Full Details On Page
CS-1	Remote Mounted Controller	All Models	78
RST-TP	Tamperproof Thermostat (20A)	All Models	78
RST-IN	Standard Room Thermostat	SMH-R Models only	76
PROSTAT-7	7 Day Programmable Thermostat	SMH-R Models Only	77