APPLICATIONS

Recessed ceiling heaters are designed for installation into either a standard suspended grid or plasterboard ceiling, wherever there is sufficient space above to accommodate them.

The RCHS front panel can be reduced to 600mm x 400mm for use where the full 600mm x 600mm is not available, such as over door or perimeter use.
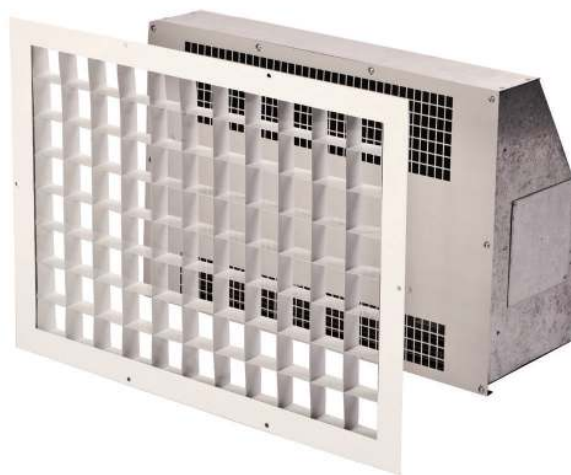
They can be installed as the main or supplementary heating in shops, reception areas, toilets etc. For even heating a greater number of 3kW units is preferable over fewer 4.5kW units.

Locating the units in positions of greatest heat loss gives an easy solution to uneven heating of open plan areas. The high level mounting has the added benefit of re-circulating the hot air from ceiling level for greater heating efficiency. Front mounted air intake ensures only pre-heated air from the room is re-circulated.

FEATURES

Remote switching unit for 2 heat selection and fan only.

- Front mounted intake ensuring recirculation of room air only
- Models for suspended T bar ceiling systems, standard plasterboard ceilings and surface mounting
- Minimum height for ease of installation in smaller ceiling voids
- White powder coated finish front cover (RAL 9003)
- Front cover can be modified for non standard tiles
- Over temperature safety cut-out with power off reset
- "TT" versions are configured to allow control via time clocks & Thermostats (not included)

OPTIONS

- RCHS - Inset white aluminium diffuser for 600mm x 600mm T bar ceiling
- RCHR - Recess fitting white aluminium diffuser for plasterboard ceiling (600mm x 400mm)
- RCHB - White textured finish cover for surface fixing

CONTROL

HEAT OUTPUT For convenient selection of output and fan only, remote switching is achieved by wiring the internal connector block to the Remote Switch Unit. This allows selection of 3, 2 or 1kW output for the RCH-3210 or 4.5 and 2.25kW for the RCH-4200.

TEMPERATURE Single units can be wired through a suitable thermostat mounted out of the direct influence of the heated airflow. Multiple units are best controlled in 'zones' via thermostat and contactor.

The heaters are designed for ceiling mounting. It is not advisable to position them over desks, counters or high level display racking wherever a constant flow of heated air may be uncomfortable or cause overheating.

FAN OUTPUT The main relay controls the supply to the unit. This has to be switched by a fused 230V supply incorporating either a time switch/programmer for automatic control (CTTF) or an on/off switch for manual control. The fan runs continuously when the relay is switched on.
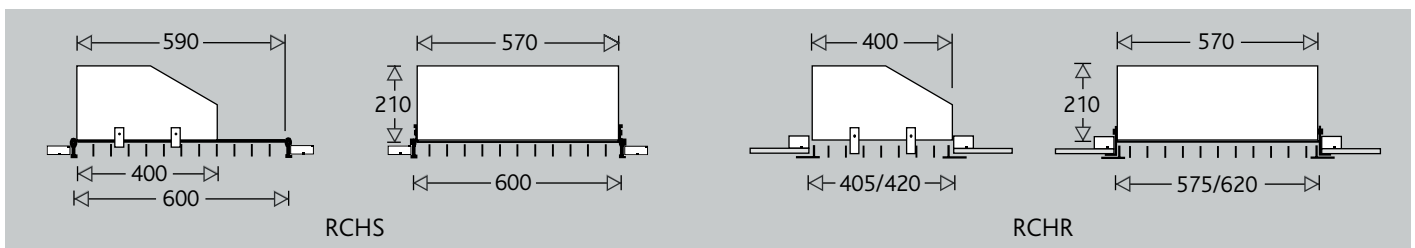
HEAT OUTPUT The second relay controls the switching of the heating elements, they are not switched individually.

TEMPERATURE The second relay is also switched by fused 230V supply, usually the time-controlled circuit. A single thermostat (CRST-16 or CPRSTW) can control all the heaters. Alternatively several can be used to create zones thus compensating for uneven heat requirements.

INSTALLATION

Connection should be made to a suitably fused power supply via the remote switch unit or a 2 pole switched connection unit having a contact separation of at least 3mm in all poles. Access to the connector block is gained by opening the side cover plate (1 screw), connection is then made using cables with 4 cores and earth, with at least one being rated to take the full load current.

All electrical connections should be made by a suitably qualified person in accordance with the latest edition of the IEE Requirements for Electrical Installation (BS 7671:2008).

CAT No.	Application Type	Output (kW)	Volts	Length mm	Height mm	Depth mm	Weight kgs	Trade Price
RCHS-3210	Modular Ceiling (remote switch included)	3.0	230	590	570	210	8.0	£240
RCHS-4200	Modular Ceiling (remote switch included)	4.5	230	590	570	210	8.0	£260
RCHB-3210	Surface Mounting (remote switch included)	3.0	230	620	420	210	9.0	£315
RCHB-4200	Surface Mounting (remote switch included)	4.5	230	620	420	210	9.0	£330
RCHR-3210	Plasterboard Ceiling (remote switch included)	3.0	230	590	405	210	8.5	£315
RCHR-4200	Plasterboard Ceiling (remote switch included)	4.5	230	590	405	210	8.5	£320

CAT No.	Application Type	Output (kW)	Volts	Length mm	Height mm	Depth mm	Weight kgs	Trade Price
RCHS-3210TT	Modular Ceiling (controls not included)	3.0	230	590	570	210	8.0	£275
RCHS-4200TT	Modular Ceiling (controls not included)	4.5	230	590	570	210	8.0	£295
RCHB-3210TT	Surface Mounting (controls not included)	3.0	230	620	420	210	9.0	£360
RCHB-4200TT	Surface Mounting (controls not included)	4.5	230	620	420	210	9.0	£390
RCHR-3210TT	Plasterboard Ceiling (controls not included)	3.0	230	590	405	210	8.5	£320
RCHR-4200TT	Plasterboard Ceiling (controls not included)	4.5	230	590	405	210	8.5	£360