

# RCHxxxx-TT "Time and Temperature" Recessed Ceiling Heater

CI/SfB

56

TS 241



## Applications

The RCH Recessed Ceiling Heaters are designed for installation into either a standard suspended grid or plasterboard ceiling.

They are often installed as the main or supplementary heating in shops, reception areas etc. where multiple units need to be centrally controlled for temperature and time. They give a simple and effective way of controlling heaters to the latest Building regulations.

All the heaters are controlled by a central time clock or programmer (CTTF). This runs the fans continuously, recirculating the air to give greater comfort throughout the year. The heating element is separately controlled by one or more thermostats to ensure heat is only supplied when and where it is required.

## Features

- integral relays allowing
- independent control of fan and heat
- switching by standard thermostats and timers.
- control of multiple units

plus standard features of

- easy access to connections for quick installation
- loadings at 3kW and 4.5kW
- 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.
- light grey textured powder coated finish front cover.(RAL7035)
- front cover can be modified for non standard tiles.
- over temperature safety cut-out with power off reset.

# CEH

## Options

- 7 day programmable time switch incorporating 13A fused connection unit (CTTF)
- remote interior room thermostat (CRST-16)
- remote tamperproof interior room thermostat (CTRT)

## Control

### FAN OUTPUT

The main relay controls the supply to the unit. This has to be switched by a fused 230V supply connection unit 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 a 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.

The thermostats should be mounted out of the direct influence of the heated airflow.

## Installation [Download full installation instructions at www.cehltd.co.uk](http://www.cehltd.co.uk)

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. The minimal height of the unit allows it to be fitted within a ceiling void of 250mm.

The maximum recommended mounting height is 3.0m.

Access to the connector block is gained by opening the side cover plate (1 screw).

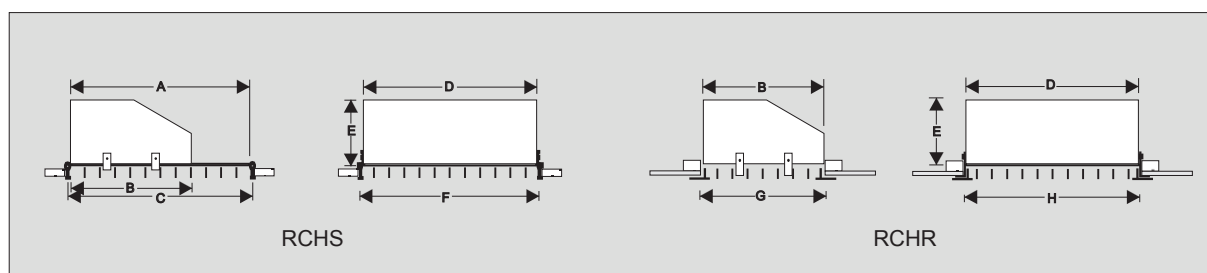
Power connection should be made to a suitably fused power supply via a 2 pole switched connection unit having a contact separation of at least 3mm in all poles.

Control connection is generally made using cables with 4 cores and earth.

Electrical Installation should be carried out by a suitably qualified person to the latest edition of the IEE Requirements for Electrical Installations.(BS7671:2001)

## Specification

Reference	Volt	Watt	Weight Kgs.	Dimensions (mm)							
				A	B	C	D	E	F	G	H
RCHS 3210-TT	230	3000	10.5	590	400	600	570	210	600		
RCHR 3210-TT	230	3000	10.0	590	400		570	210	600	405	575
RCHB 3210-TT	230	3000	10.5		400		570	210		420	620
RCHS 4200-TT	230	4500	10.5	590	400	600	570	210	600		
RCHR 4200-TT	230	4500	10.0	590	400		570	210	600	405	575
RCHB 4200-TT	230	4500	10.5		400		570	210		420	620



The manufacturers reserve the right to change the specification without prior notice E&OE



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