

# Recessed Electric Ceiling Heater



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# RCH | Recessed Electric Ceiling Heater



## PRODUCT DESCRIPTION

Tucked away in the ceiling space of a standard suspended grid or plasterboard ceiling, this electric fan heater is ideal for use where available wall and floor space is limited or where a clean or minimal interior design style is applied.

With a fan driving the warm air downwards it helps to counteract cool air creeping in from drafts and hovering at lower levels. Even in fan only mode (non-TT versions), it acts as a de-stratification device balancing the air temperature from floor to ceiling ensuring a comfortable temperature at floor level.

They can be installed as the main or supplementary heating in shops, reception areas and offices. Locating the units in positions of greatest heat loss gives an easy solution to uneven heating of open plan areas.

## FEATURES

- Models for suspended grid/T-bar/drop/modular ceilings 600mm x 600mm (RCHS model type)
- Models for plasterboard ceilings 600mm x 400mm (RCHR model type)
- Models for surface mounting (RCHB model type)
- All types have choice of 3kW and 4.5kW heat output models
- All types have remote switching unit supplied for heat selection and fan only options
- Alternative 'TT' versions available, with 2 relays fitted, for own control selections
- Front mounted intake ensuring re-circulation of room air only
- Minimum unit height means ease of installation in smaller ceiling voids
- Front cover can be modified for non standard tiles
- White textured powder coated finish front cover (RAL9003)
- Easy access to connections for quick installation
- Over temperature safety cut-out with power off reset

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## TECHNICAL SPECIFICATION

Product Code	Ceiling Type	kW	Volts	Length mm	Width mm	Depth mm	Controls Supplied
<b>RCHS-3210</b>	Modular/suspended grid	3	230	590	570	210	Remote switch supplied: 3,2, or 1kW & fan only
<b>RCHS-4200</b>	Modular/suspended grid	4.5	230	590	570	210	Remote switch supplied: 2.25, or 4.5kW & fan only
<b>RCHB-3210</b>	Surface mounting	3	230	620	420	210	Remote switch supplied: 3,2, or 1kW & fan only
<b>RCHB-4200</b>	Surface mounting	4.5	230	620	420	210	Remote switch supplied: 2.25, or 4.5kW & fan only
<b>RCHR-3210</b>	Plasterboard ceiling	3	230	590	405	210	Remote switch supplied: 3,2, or 1kW & fan only
<b>RCHR-4200</b>	Plasterboard ceiling	4.5	230	590	405	210	Remote switch supplied: 2.25 or 4.5kW & fan only

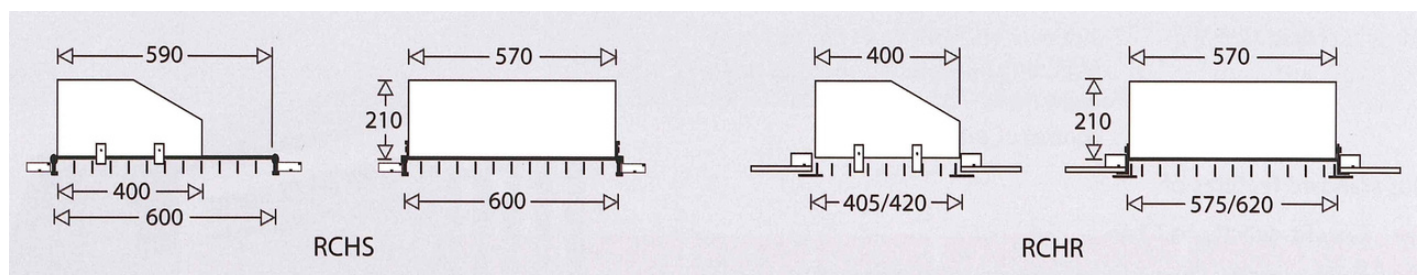
**All models above with suffix 'TT' added** - Technical specification as above but with two relays added for installation of own controls.

## INSTALLATION

The minimal height of the unit allows it to be fitted within a ceiling void of 250mm. The maximum recommended mounting height is 3m.

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).



## DECLARATION OF CONFORMITY

Name of manufacturer/supplier: Turnbull & Scott (Engineers) Ltd.  
Unit 1A,  
Burnfoot Industrial Estate,  
Hawick,  
Roxburghshire,  
TD9 8SL  
U K

Description of Product: Recessed Electric Ceiling Heater

Model No: MP-RCHS-xxxx  
MP-RCHR-xxxx  
MP-RCHB-xxxx  
MP-RCHS-xxxx-TT  
MP-RCHR-xxxx-TT  
MP-RCHB-xxxx-TT

Serial No: See product label

Year of Manufacture: Incorporated in Serial No.  
B= 2018, C=2019, D=2020 etc.

Directives/Regulations to which the product conforms: 1. The Electromagnetic Compatibility Regulations 2016, with specific reference to BS EN 61000  
2. The Electrical Equipment (Safety) Regulations 2016, with specific reference to BS EN 60335-1:2012 and BS EN 60335-2-30:2009+A11:2012

Name of Authorised Representative: S.R.Mcilwain  
Position of Authorised Representative: Technical Director

### Declaration

I declare that as the authorised representative, that the above information in relation to the supply/manufacture of this product is in conformity with the stated standards and other related documents following the provisions of UK legislation.

This declaration is issued under the sole responsibility of the product manufacturer.



Signed.

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## Additional Information

The technical documentation for the RCH is available from:

Name: Turnbull & Scott (Engineers) Ltd.

Address: Unit 1A,  
Burnfoot Industrial Estate,  
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Roxburghshire,  
TD9 8SL  
U K

Place of issue: Hawick, Scotland.

Contact: [info@turnbull-scott.co.uk](mailto:info@turnbull-scott.co.uk)  
Please use email title; RCH technical enquiry

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