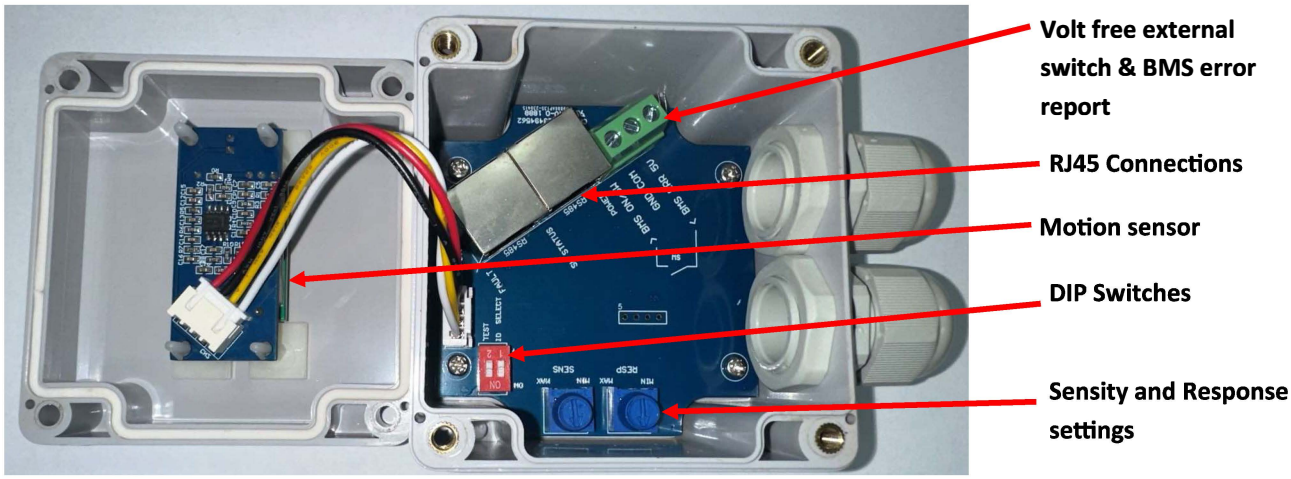
HEATSTORE

THE TOTAL ELECTRIC HEATING SOLUTION



Commercial Heater Temperature Sensor

Installation and Operating Manual

HSCFHTS

All electrical appliances produced by the company are guaranteed for two years against faulty materials or workmanship. This applies only if the appliance has been used for purposes in accordance with the instructions provided and has not been connected to an unsuitable electricity supply, or subject to misuse, neglect, damage or modified or repaired by any person not authorised by us. This guarantee is offered to you as an extra benefit and does not affect your legal rights.

The correct electricity supply voltage is shown on the rating label attached to the appliance.

Reasonable care has been taken to ensure that this guide is accurate at the time of printing. In the interest of progress the company reserve the right to vary specifications from time to time without notice.

1. Introduction

Temperature sensors offer four functions; remote temperature measuring, motion detection, error reporting and an external remote or boost switch connection. All functions are fully programmable and can be associated with any heaters in the system. Up to two temperature sensors can be connected to the heaters when used together with a HSCFHMC controller. Each system can have a maximum of 8 heaters. Please see page 6 of HSCFHMC instructions for further details.

2. Installing the HSCFHTS

The HSCFHTS is supplied with a small power supply (CHPWR). This power supply must be powered directly by the internal wiring of the heater. On the HSCFH60WX and the HSCFH90WX models, the power supply can be connected directly to the spare tags on the main heater PCB. On the HSCFH60WX and HSCFH 120WX models, these tags are not available, so the power supply must be connected to the internal wiring using WAGOs or similar connection blocks. Detailed installation instructions can be found on the next page.

The RJ45 cable must be connected from the heater, into the CHPWR, then into the HSCFHTS. The HSCFHTS **WILL NOT OPERATE** without connecting the power supply.

3. Microwave Occupancy Sensor

There are two knobs within the HSCFHTS that allow you to change the sensitivity and response settings. When setting this, it is advisable to use the walk test feature. This is enabled by switching DIP switch 1 to the On position. The blue LED will now light up when movement is detected. When no movement is detected for 5 seconds, the LED will switch off.

4. Remote or Boost Switch

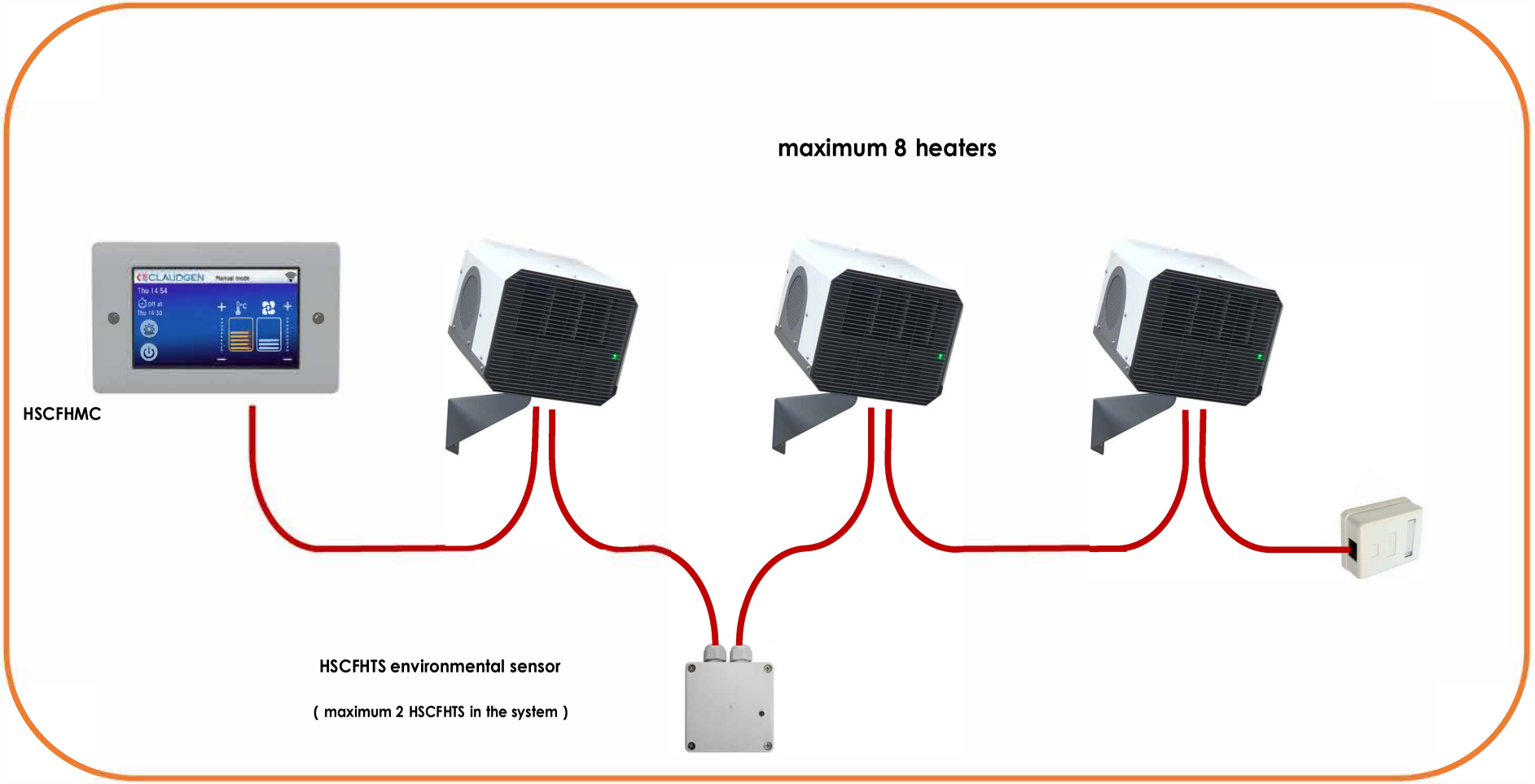
The HSCFHTS can be connected to any remote switch via the volt free external input. This can be configured as either a boost function or an Off control switch. The boost function simply boosts the temperature for a set duration. If using this feature a push button style switch must be used.

The Off control will deactivate the heating completely. A common use for this would be a key switch to lock off the heating. The connection is volt free and is normally open. This can be seen in the picture above. This switch can be tested by switching the DIP

5. BMS error reporting

The HSCFHTS can provide error reporting to a BMS system. When no error is detected, there will be 5V between GND and BMS ERR 5V ports. When an error in any of the connected heaters is detected,there will be 0V.

Typical Installation Diagram.



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CE UKCA

Declaration Of Conformity

In accordance with UK Government Guidance.

WE HEREBY CERTIFY THAT THE APPLIANCES DETAILED HEREON HAVE BEEN INSPECTED AND TESTED, AND CONFORM TO THE REQUIREMENTS OF THE FOLLOWING UK STATUTORY INSTRUMENTS WHERE APPLICABLE:

Electrical Equipment (Safety) Regulations 2016 SI. 2016 1101
Electromagnetic Compatibility Regulations 2016 SI. 2016 No. 1091
Radio Equipment Regulations 2017 SI. 2017 No. 1206
The Ecodesign for Energy Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019. SI. 2010 2617
The Restriction of use of Certain Hazardous Substances. SI. 2012 No. 3032

Transposed standards used:

- **BSEN55014 (2006)**
- **BSEN301 489.1 & .3**
- **BSEN300 220.1 & .2**
- **BSEN60 730.2.9**
- **BSEN 60335.1 (2012)**
  BS EN 60335.2.30 (2009)

PART NUMBER:

HSCFHTS

NAME OF RESPONSIBLE PERSON: **Martyn Field**
POSITION: **Technical Manager**
DATE: **30/10/24**

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