

Installation Instructions ODH-RSW Remote Switch Unit

Reference
J192g

Suitable for use with ODH-3000R, ODH-4500R, ODH-6000, ODH-9000, RDH-3000, RDH-4500, RDH-6000, RDH-9000 and RCHS/B-4200

HEATER

Refer to Heater Installation Instructions for mounting of heater.
(ODH-3000R - J354, ODH-4500R - J356, ODH-6000 - J184, ODH-9000 - J187, RDH-3000 - J287, RDH-4500 - J288, RDH-6000 - J289, RDH-9000 - J290, RCHB-4200 - J241 and RCHS-4200 - J126)

If necessary to accommodate all cabling remove plastic hole plug and replace with suitable gland.

Make connections to remote switch using appropriate cable as per circuit diagram - see over.

The Heater should be installed in accordance with the latest edition of the IEE regulations for Electrical Installations (BS 7671 : 2001) by a suitably qualified person.

SWITCH UNIT

Remove front cover and grid plate by removing screws.

Securely fix mounting box in appropriate position ensuring suitable access for cabling.

Connect switches to heater as per circuit diagram - see over.

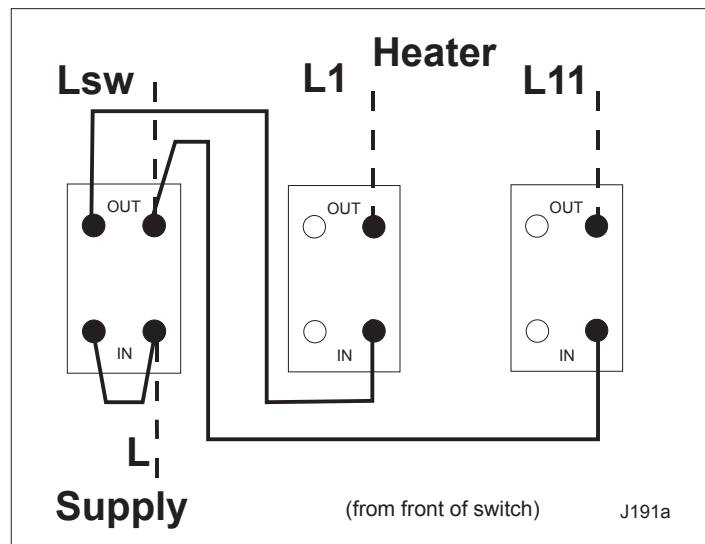
Replace grid plate ensuring cables and switches are secure.

Adjust position of plate to line up with front cover. Replace front cover

IMPORTANT

Any modification to the switching of the unit must ensure that the heating elements cannot be energised without the fan running

THIS UNIT MUST BE EARTHED



WARRANTY

This product is guaranteed, in accordance with our Conditions of Sale, for a period of 12 months from date of purchase. We will repair or replace, at our discretion, any part found to be defective. We cannot accept responsibility for any consequential liability.

The warranty will be invalid if the heater has not been installed in accordance with these instructions.

This does not affect your statutory rights.

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

P01



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| | | | |
|---|--------------|--------------------|--|
| CEH Commercial Electric Heat Limited HARDWICK, TORONTO | | Description | |
| No | Part No | Description | |
| 1 | B087-01 | Heating element | |
| 2 | D002-01 | Fan motor | |
| 3 | F003 | Connector block | |
| 4 | C002 | Blower unit | |
| 5 | ODH-RSW | Remote Switch Unit | |
| 6 | O.T. cut out | O.T. cut out | |

| | | |
|----|-----------------------|-------|
| No | Revision | Date |
| 1 | Add external cut outs | 11/04 |

| | | | |
|--|-----|------------------------------|-----|
| Title | | Date | Rev |
| RDH-3000 Recessed Over Door Heater | | 08/09/00 | 1 |
| Drawn by | NEB | Scale Drawing No. RDH-HW-001 | |
| MS | | | |

RDH-3000 RDH-4500 RDH-4200

Remote Switch ODH-RSW
IMPORTANT:
Any modification to the switching in heating elements cannot be engaged without the fan running.

Schematic diagram

Heating Element (1)
Blower Unit (4)
Over temp cut out (6)

To reset:
Switch off and allow to cool (5 minutes) then restore supply.
Heater does not function again until power has been removed from cut out.

Schematic diagram

Heating Element (1)
Blower Unit (4)
Over temp cut out (6)

To reset:
Switch off and allow to cool (5 minutes) then restore supply.
Heater does not function again until power has been removed from cut out.

| | | | |
|---|--------------|-----------------|--|
| CEH Commercial Electric Heat Limited HARDWICK, TORONTO | | Description | |
| No | Part No | Description | |
| 1 | B078-01 | Heating element | |
| 2 | D001-01 | Fan motor | |
| 3 | F049 | Connector block | |
| 4 | C014 | Blower unit | |
| 5 | E075/E077 | SPST fan switch | |
| 6 | E075 | Relay | |
| 7 | O.T. cut out | O.T. cut out | |

| | | |
|----|-----------------------------|-------|
| No | Revision | Date |
| 1 | Change to remote wiring | 12/98 |
| 2 | Relay to cut out | 01/99 |
| 3 | Change to connection | 02/02 |
| 4 | Add external cut out switch | 08/04 |

| | | | |
|------------------------------------|-----|------------------------------|-----|
| Title | | Date | Rev |
| ODH-6000 6.0kW Over Door Heater | | 09/08/97 | 4 |
| Drawn by | NEB | Scale Drawing No. ODH-HW-003 | |
| MS | | | |

ODH-6000 RDH-6000

Remote Switch ODH-RSW (Optional)
Note: operates in parallel with integral switches.

Schematic diagram

Heating Element (1)
Blower Unit (4)
Over temp cut out (6)

To reset over temperature cut out(s)
Switch off, check for cause of overheating and rectify, allow to cool (5 minutes) then restore supply.
Heater does not function again until power has been removed from cut out.

All wiring 1.5mm² 105°C Tri rated Panel wire

Schematic diagram

Heating Element (1)
Blower Unit (4)
Over temp cut out (6)

To reset over temperature cut out(s)
Switch off, check for cause of overheating and rectify, allow to cool (5 minutes) then restore supply.
Heater does not function again until power has been removed from cut out.

All wiring 1.5mm² 105°C Tri rated Panel wire unless marked 2.5mm².

| | | | |
|---|---------|-----------------|--|
| CEH Commercial Electric Heat Limited HARDWICK, TORONTO | | Description | |
| No | Part No | Description | |
| 1 | B087-01 | Heating element | |
| 2 | D002-01 | Fan motor | |
| 3 | F003 | Connector block | |
| 4 | C001 | Blower unit | |
| 5 | E077 | SPST fan switch | |

| | | |
|----|-----------------------|-------|
| No | Revision | Date |
| 1 | Change terminal block | 05/03 |
| 2 | Add external cut out | 11/04 |

| | | | |
|-------------------------------|-----|------------------------------|-----|
| Title | | Date | Rev |
| ODH-3000R Over Door Heater | | 08/11/99 | 2 |
| Drawn by | NEB | Scale Drawing No. ODH-HW-005 | |
| MS | | | |

ODH-3000R ODH-4500R

Remote Switch ODH-RSW (Optional)
Note: operates in parallel with integral switches.

Schematic diagram

Heating Element (1)
Blower Unit (4)
Over temp cut out (6)

To reset:
Switch off and allow to cool (5 minutes) then restore supply.
Heater does not function again until power has been removed from cut out.

All wiring 1.5mm² 105°C Tri rated Panel wire

Schematic diagram

Heating Element (1)
Blower Unit (4)
Over temp cut out (6)

To reset over temperature cut out(s)
Switch off, check for cause of overheating and rectify, allow to cool (5 minutes) then restore supply.
Heater does not function again until power has been removed from cut out.

All wiring 1.5mm² 105°C Tri rated Panel wire unless marked 2.5mm².

| | | | |
|---|--------------|-----------------|--|
| CEH Commercial Electric Heat Limited HARDWICK, TORONTO | | Description | |
| No | Part No | Description | |
| 1 | B078-01 | Heating element | |
| 2 | D001-01 | Fan motor | |
| 3 | F049 | Connector block | |
| 4 | C014 | Blower unit | |
| 5 | E075/E076 | SPST fan switch | |
| 6 | E075 | Relay | |
| 7 | O.T. cut out | O.T. cut out | |

| | | |
|----|---------------------------|-------|
| No | Revision | Date |
| 1 | Add thermostat connection | 01/03 |
| 2 | Change O.T. cut out | 08/04 |

| | | | |
|------------------------------------|-----|------------------------------|-----|
| Title | | Date | Rev |
| ODH-9000 9.0kW Over Door Heater | | 06/08/97 | 2 |
| Drawn by | NEB | Scale Drawing No. ODH-HW-004 | |
| MS | | | |

ODH-9000 RDH-9000

Remote Switch ODH-RSW (Optional)
Note: operates in parallel with integral switches.

Schematic diagram

Heating Element (1)
Blower Unit (4)
Over temp cut out (6)

To reset over temperature cut out(s)
Switch off, check for cause of overheating and rectify, allow to cool (5 minutes) then restore supply.
Heater does not function again until power has been removed from cut out.

All wiring 1.5mm² 105°C Tri rated Panel wire unless marked 2.5mm².

Schematic diagram

Heating Element (1)
Blower Unit (4)
Over temp cut out (6)

To reset:
Switch off and allow to cool (5 minutes) then restore supply.
Heater does not function again until power has been removed from cut out.

All wiring 1.5mm² 105°C Tri rated Panel wire