

HREI 1500W & 1800W Infrared Brooders

Installation and Maintenance Instructions.

THESE INSTRUCTIONS MUST BE READ FULLY BEFORE COMMENCING INSTALLATION.

Owner / installer: The life of this apparatus and its efficiency will be increased if its use and maintenance is carried out in accordance with these instructions and current statutory requirements. The installation and initial adjustments should be carried out by a qualified and competent technician. Hydor Limited should be consulted before submitting or fitting parts from another manufacturer. It is the responsibility of the installer to verify that the installation is in accordance with the following standards and the owner is given the current User's Manual.

Any modifications to the unit or its installation, even the smallest modification, change or elimination of security components or pieces that influence the efficiency or loss of ventilation, will result in the CE Certification and Hydor's warranty being cancelled.

1. General

- 1.1 It is important these Installation and Maintenance Instructions are fully adhered to.
- 1.2 Full details of the unit supplied are shown on the product nameplate. If in doubt about any detail contact Hydor or its agents for clarification.
- 1.3 All electrical installation must be carried out by a suitably qualified and competent personnel in accordance with all current statutory requirements.
- 1.4 These instructions cover only the Hydor product and do not include the supply or installation of safety equipment that may be required, e.g. adequate protection and proper electrical isolation.
- 1.5 Any declarations made by Hydor about product installation and safety, are dependent on other equipment being used within installation which themselves meet the requirements of the Standards and Directives or your region.
- 1.6 The brooder is designed for use in an ambient temperature of up to 50C and up to 50% relative humidity. The unit is NOT suitable for corrosive or explosive atmospheres.
- 1.7 The installer should provide easy access to the brooder to facilitate future

maintenance.

- 1.8 The installer should ensure the brooder is adequately supported.
- 1.9 This product is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the product safely. Young children should be supervised to ensure that they do not play with the appliance.

WARNING The brooder must be isolated from the power supply during installation and maintenance. The brooder must be earthed in accordance with the local regulations.

WARNING The brooder tube should not be directly looked for long periods as this will cause irreparable damage to the eyes.

2. Installation

- 2.1 Upon receipt, the brooder should be visually inspected to check for any damage. Check the condition of the packaging. Knives and sharp objects should be avoided. Dispose of the packaging with respect for the environment.
- 2.2 If there any queries concerning the equipment,Hydor should be contacted prior to the installation.
- 2.3 Mount the brooder securely to a fire-proof wall or cross-beam in the desired position to suit the application. This unit can only be used indoors and must be protected from moisture, rain and splashing liquids. It is IP2X Rated.
- 2.4 The brooder can be suspended using the bracket and the angle of the unit adjusted by altering the fixing holes on the ends of the body.
- 2.5 The brooder must be sufficiently above the animals to prevent suffering by burns or damage caused by radiation from the unit. Compliance with this installation distance is the responsibility of the Installer.

WARNING Any or all damage to livestock under the HREI 1500 or HREI 1800 are not the responsibility of Hydor Limited.

- 2.6 Check the voltage and wattage of the brooder, to ensure the correct unit has been supplied. The unit is suitable for 230volts 1phase 50hertz supply and the amperage should be capable of supplying 1500watts for the HREI 1500 model and 1800watts for the HREI 1800A model.
- 2.7 Means for electrical disconnection must be incorporated in the wiring installation in accordance with the relevant wiring and electrical regulations.

- 2.8 The brooder is supplied with a flying lead complete with a fused 3pin 13Amp plug.

3. Initial Operation

- 3.1 Before power is supplied to the unit, check that the wiring is correct.
- 3.2 Plug the brooder into the appropriate socket. Ensure the immediate area is free of combustible items and switch on the brooder.
- 3.3 Check that the amperage draw does not exceed the nameplate rating.
- 3.4 Check the brooder is operating correctly. Check the temperature using a thermometer in the unit, which should be between 36C and 40C.

4. Maintenance.

- 4.1 Regular inspection of the brooder, should be carried out to ensure it is operating correctly.
- 4.2 The brooder should be kept clean for optimum performance/ To clean the brooder, unplug the unit from the electrical supply, and wipe the outside surfaces with a dry cloth. For the interior surfaces a jet of compressed air should be used. DO NOT use a high-pressure cleaner.
- 4.3 The infrared tubes have a life of 5000 hours and are very sensitive. Avoid mechanical shocks, which can cause destruction.
- 4.4 To replace a lamp/tube, proceed as follows: -
 1. Remove the four screws retaining the cover.
 2. Remove the three vertical dividers.
 3. Slide the reflector to release the retaining clips.
 4. Remove the reflector.
 5. Release the two cables from the connector block attached to the lamp.
 6. Using a cloth remove the lamp from its holders. DO NOT use bare hands, as this will damage the lamp!!!!
 7. Replace with a new lamp and connect the cables to the connect block.
 8. Replace the reflector, the four dividers and the cover. Replace the four retaining screws.
- 4.5 Plug the brooder into the mains and check the operation.

WARNING Only genuine replacement lamps/tubes should be used. Any other item will cause the warranty to be void.

WARNING Only a suitably qualified and competent person may carry out maintenance after the electrical supply has been isolated. Particular care must be taken when automatic switching controls are used.

Guarantee

Hydor or its agents will, within a period of one year from the date of dispatch from their works, at its option, replace any goods, which are proven to have defects as a result of defective materials or workmanship. The goods must be inspected by a Hydor official and if necessary returned, with a Returns Note Number, carriage paid, for further examination.

Hydor Ltd

Hydor

Unit 8, Parkers Close, Downton Business Centre,
Downton, Salisbury, Wiltshire, SP5 3RB, UK

Tel: +44 (0) 1725 511422

Fax: +44 (0) 1725 512637

Email: info@hydor.co.uk

Web: www.hydor.co.uk

idealair group

Unit 1, Building 1, Sydney Corporate Park,
85 O'Riordan Street, Alexandria NSW 2015

Tel: +61 (02) 8073 3310

Fax: +61 (02) 8073 3320

Email: info@idealairgroup.com.au

AMS

11 Ingrid Road, Montague Gardens,
7442 Cape Town, Western Cape

Tel: +27 (0) 21 552 1077

Fax: +27 (0) 21 552 2797

HREI Inst Issue 1: 09.05.16