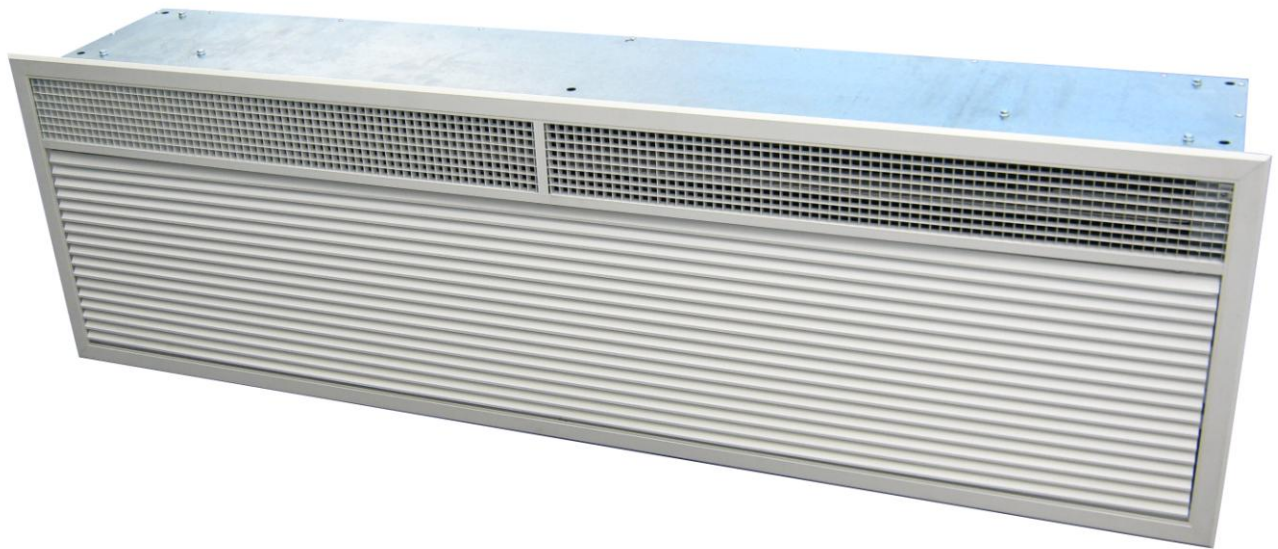




thermoscreens®

**AIR CURTAIN
HX RECESSED RANGE**



USER MANUAL

1. INTRODUCTION

Established in the 1960s, Thermoscreens is a leading air curtain manufacturer that exports to over 60 countries worldwide.

As with all our products, the HX range of air curtains is designed with energy efficiency in mind. Taking the concept of energy savings to a new level, Thermoscreens has combined the efficiency of its Ecopower Controls with innovative engineering design.

HX models suffixed ER, AR or WR are designed to be recess mounted inside a building and located horizontally over a doorway.

They must not be installed on the outside of a building.



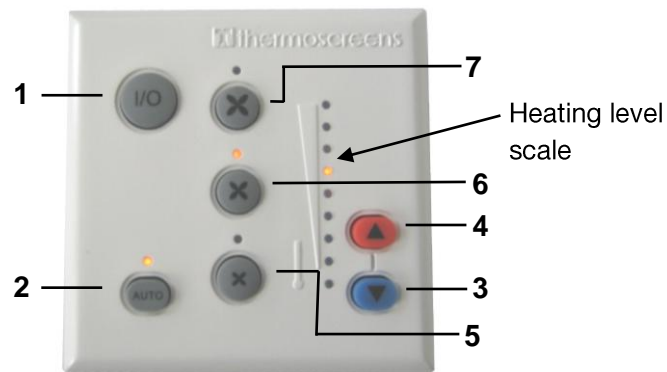
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2. REMOTE CONTROL OPERATION



1 On/Off

Turns the air curtain On or Off

NOTE: If an electric heated air curtain is heating when switched off the fan will run-on for approximately 2 minutes to dissipate excess heat.

2 Manual/Automatic

Switches between Manual and Automatic modes.

The Auto On indicator LED is lit for "Auto Mode" and unlit for "Manual Mode".

3 & 4 Heating level controls

Manual mode

Select heating level from zero, to half heat, to full heat by stepping up or down with the heating level controls. The heating level scale shows the level selected.

Automatic mode

Heat output is controlled automatically according to:

- Room air temperature
- Incoming air temperature, or
- External air temperature

This is dependent on the System Configuration and Remote Control settings made to the air curtain during installation.

5, 6 & 7 Fan speed

Switch fan speed between Low, Medium and High respectively. The appropriate LED illuminates.

3. SERVICE & MAINTENANCE

WARNING: Failure to adequately maintain the unit and provide a suitable cleaning schedule will result in performance degradation, reduction in life expectancy of the air-curtain and possible overheating and fire risk with electric heated units

3.1 Every week

NOTE Weekly maintenance can be carried out by the Cleaner or Janitor from floor level.

Turn off the air curtain to prevent dust entry, then clean the face of the air inlet grilles and air filters inside the grilles using a vacuum cleaner with an extension tube and brush.

3.2 Every 3 months

WARNING: Before servicing, isolate and disconnect the air curtain from the power source.

WARNING: The following servicing, maintenance must be carried out by a competent electrician or a Thermoscreens appointed technician.

Clean and inspect the inside of the air curtain as follows:

- Step 1** Open the hinged inlet grille using a flat bladed screwdriver to release the quarter turn fasteners
- Step 2** Clean and remove any build-up of dust and dirt within the air-curtain (inlet/outlet grilles, fan impellers, housings and motors) using a vacuum cleaner and soft brush

NOTE Build-up of dirt on fan impellers can cause vibration, noise and excessive wear on the motor bearings.

- Step 3** Check within the unit to ensure all electrical connections and crimped terminals are tight
- Step 4** On electric heated air curtains remove the fan deck(s) as follows to inspect electric heaters, electrical wiring and connections and to remove dust, dirt and debris:
- Unclip the fan motor electrical connector
 - Unfasten 4 x M6 nuts/bolts on each fan deck
 - Carefully lift the fan deck away from the air curtain.

Refit fan deck(s) and air inlet grilles after servicing . Reconnect electrical supply and test to ensure correct operation (see Section 16, Commissioning).

4. SPECIFICATIONS

Air Curtain	Electrical Supply (V/ph/Hz)	Rated Electrical Power Input (kW)	Rated Current per phase (A)	Heat Output [Low/High] (kW)	Effective Width of Airstream (m)	Weight (kg)
HX1000AR	230/1/50	0.2	0.8	–	1.10	45
HX1500AR	230/1/50	0.3	1.2	–	1.63	66
HX2000AR	230/1/50	0.35	1.4	–	2.15	80
HX1000WR	230/1/50	0.2	0.8	6/12	1.10	52
HX1500WR	230/1/50	0.3	1.2	12/18	1.63	75
HX2000WR	230/1/50	0.35	1.4	12/24	2.15	93
HX1000ER	400/3/50	12.2	18.2	6/12	1.10	46
HX1500ER	400/3/50	18.3	27.3	12/18	1.63	67
HX2000ER	400/3/50	24.35	36.2	12/24	2.15	54

5. WARRANTY

All units are covered by a two year warranty.

If any problems are encountered, please contact your installer/supplier.

Failing this please contact the Thermoscreens warranty department.

Care has been taken in compiling these instructions to ensure they are correct. Thermoscreens Ltd. disclaims all liability for damage resulting from any inaccuracies and/or deficiencies in this documentation. Thermoscreens Ltd. retain the right to change the specifications stated in these instructions.

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