

## Controls. EcoPower



## INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS



English

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## 2. DELIVERY CONTENTS

Depending on the optional controllers and air curtain model selected one of the following controllers is supplied.

**NOTE:** If any parts are missing or damaged contact your place of purchase.

**Ecopower Remote Control**  
(for Electric and Water Heated units)



**Ecopower Plus Remote Control**  
(for Electric and Water Heated units)



OR

Supplied with 6m RJ Control Cable

**Remote Control Switch**  
(for Ambient units)



## 3. REMOTE CONTROL INSTALLATION

Mount the Ecopower or Ecopower Plus Remote Control in a convenient position directly to the wall or onto a switch box. As the Remote Control has a room air temperature sensor in it, which may be selected, avoid a location where the Remote Control would see false room temperatures such as in direct sunlight or on a very cold wall. Seal any openings going into the wall at the rear of the control to avoid cold draughts blowing into the control and giving false temperatures.

### 3.1 Ecopower Controller Wall Mounting

**Step 1** Using a screwdriver undo the screw on the top of the Remote Control case and pull the back case away (see Fig 1 and Fig 2 below).

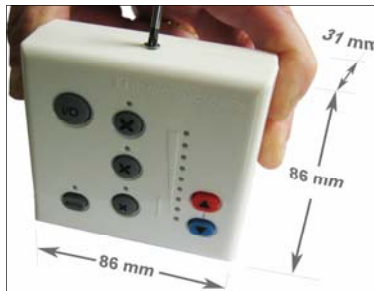


Fig 1

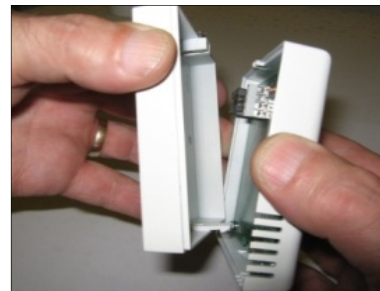


Fig 2

**Step 2** Feed one end of the RJ control cable through the back case, secure it, then screw the back case to the wall using suitable fixings (not supplied) (see Fig 3).

**Step 3** Connect the RJ plug to the RJ socket on the PCB in the Remote Control.

**Step 4** Refit the front case.



Fig 3

### 3.2 Ecopower Plus Controller Wall Mounting

**Step 1** Place a slotted screwdriver to each slot on the bottom edge of controller (see Fig 4). Push and twist to release the top half of the controller.

Note: dimensions of controller are 148 x 90 x 33mm (l x h x d).

**Step 2** Feed one end of the RJ control cable through the back case, secure it ensuring the back case slots are towards the bottom and then screw the back case to the wall using suitable fixings (not supplied).

**Step 3** Connect the RJ plug to the RJ socket on the PCB in the Remote Control.

**Step 4** Refit the front case.



Fig 4

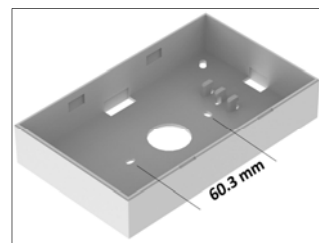


Fig 5

### 3.3 Remote Control Settings

On the back of the PCB inside the Ecopower/Ecopower Plus Remote Control you will find four DIP switches (see Fig 6) that provide optional features detailed in Table 1 below.



Fig 6

Table 1

DIP	Feature	Explanation	Default	Notes
1	Reset on power-up	On restoring power after an electrical interruption all Remote Control settings are retained	ON	<b>WARNING!</b> – Fans start on their own after power is restored
2	Stop fan on cold	Fans are switched off when heating level is achieved (AUTO mode only)	OFF	
3	Never blow cold	Air curtain always heats in AUTO mode	OFF	Will not go to ambient mode
4	Room air temperature control	Enables the room air sensor in the Remote Control	OFF	Disables all other temperature sensors

## 4. REMOTE CONTROL OPERATION

### 4.1 Remote Control Switch (for Ambient units)



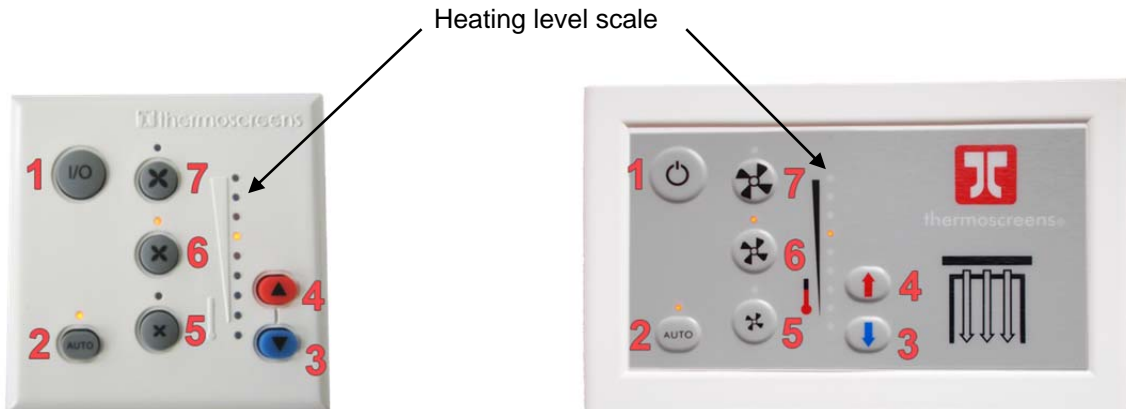
#### 1 On/Off

Turns the air curtain fans On or Off.

#### 2, 3 & 4 Fan speed

Switch fan speed between Low, Medium and High respectively.

## 4.2 Ecopower/Ecopower Plus Remote Control (for Electric and Water Heated units)



Use the Remote Control to operate the air curtain as follows:

### 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:

- Inlet air temperature, or
- Room air temperature

This is dependent on the settings made in Section 3.3 Remote Control Settings (DIP switch 4).

### 5, 6 & 7 Fan speed

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

**NOTE:** for small lobby areas, operate air curtain in automatic mode (recommended).