

# Installation Instructions

**EC**  **SENSE**®

“no need to cool air when there’s no-one there”

**ECOSENSE 4000**

**COMPATIBLE WITH: 110-220V**



Before installing Ecosense please read all the following instructions carefully  
<http://www.ecosense.uk.com>



MADE IN CHINA

## Installation Instructions

### Ecosense 4000

**IMPORTANT** Before making any attempt to remove the front cover of your air conditioning unit, ensure that the power supply is disconnected. If at all unsure about making connections, consult a qualified electrician or electrical engineer.

The power connection cable supplied with this product has a maximum load capacity of 13amps. Please ensure that the maximum load specification of your A/C system does not exceed this. If your A/C has a power draw in excess of 13amps you will need to substitute the connection cable with a suitably rated cable.

### Connecting Ecosense to your A/C power supply

If your A/C has a power lead coming out of the side of the wall unit that connects to a nearby socket, please use connection instruction A

If your A/C has a power supply that enters the A/C unit from the rear, please use connection instruction B

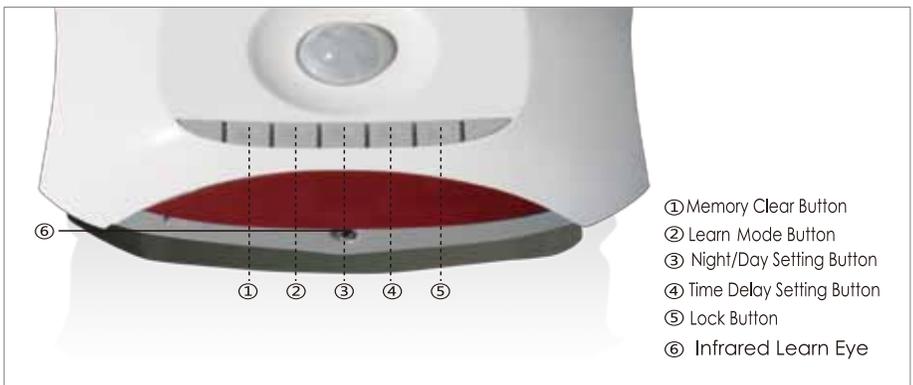
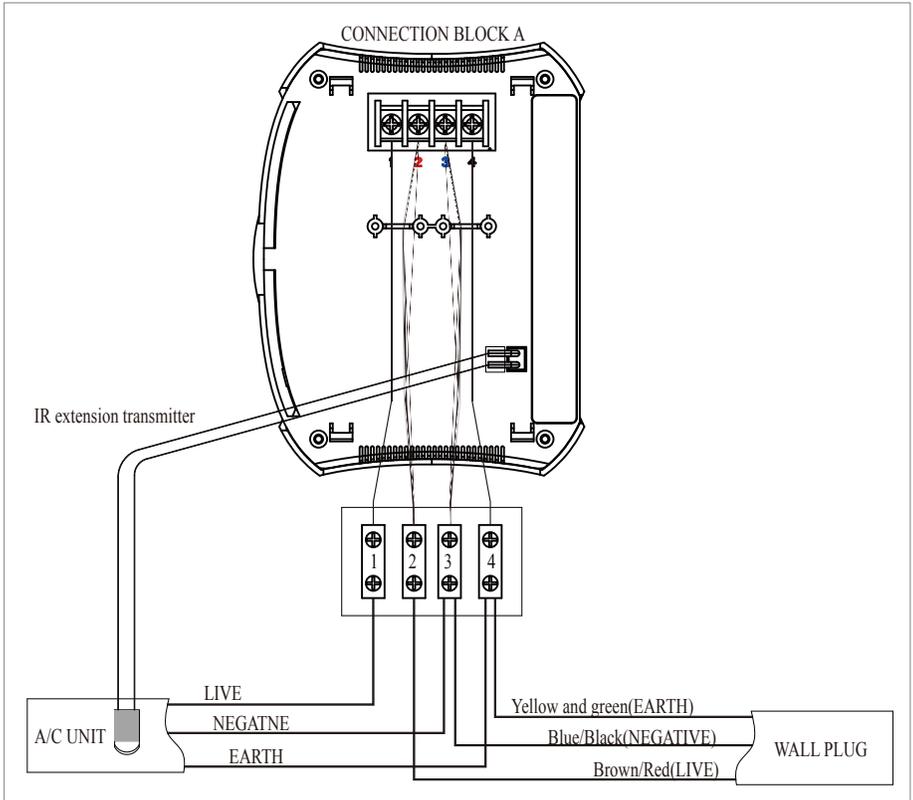
#### Connection A

- 1) Remove A/C plug from wall socket.
- 2) Decide the fixing position for Ecosense, either below or to the side of the A/C unit. Using the template supplied, or industrial strength double sided tape, fit Ecosense back plate to the wall.
- 3) Remove suitable cable entry and exit point covers, feed cable into back plate, cut the cable from the A/C leaving sufficient length to make the necessary connections to Ecosense. It may be necessary to extend the cable to reach the wall socket.
- 4) Make electrical connections as per Fig 1.
- 5) Should you wish to fit "Tamper proof" IR extension transmitter option, firstly, remove A/C front cover and locate the infrared receiver window. Stick the extension transmitter eye directly onto the A/C receiver window and feed cable back to Ecosense. Plug the other end of the cable into socket located near the mains power connector block on the underside of Ecosense. Allow excess cable to lay in the underside of the A/C cover. Do not wind or bunch up excess cable.
- 6) Refit A/C front cover.
- 7) Fit the body of Ecosense to the base plate using the four screws provided.

8) Plug power supply cable into wall socket.

9) Commence set-up procedure, go to SETUP/FUNCTION SETTING OPTIONS.

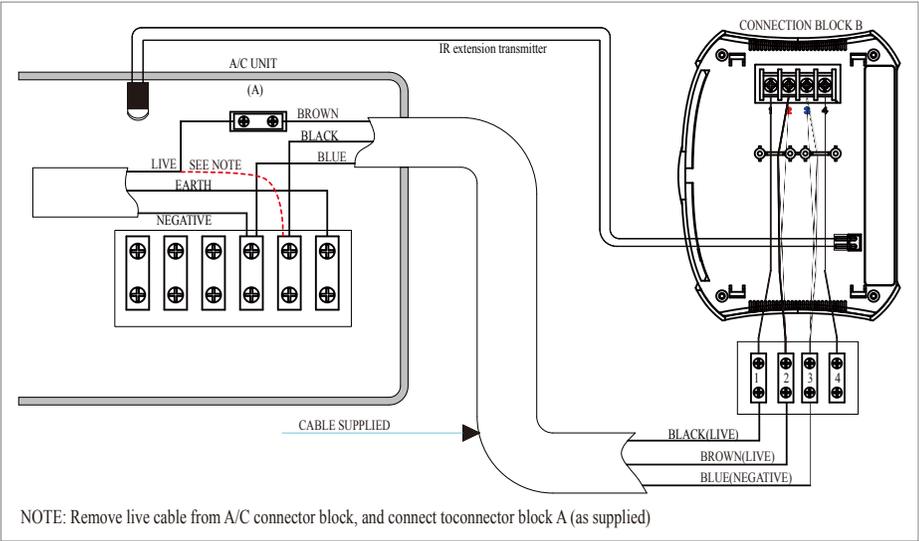
FIG 1



# Connection B

- 1) Ensure that the power supply to the A/C has been switched off
- 2) Remove front cover of the A/C, and locate the mains power feed LIVE, and NEUTRAL cables.
- 3) Using the cable supplied make connections as per Fig 2.
- 4) Decide the fixing position for Ecosense, either below or to the side of the A/C unit. Using the template supplied, or industrial strength double sided tape, fit Ecosense back plate to the wall.
- 5) Feed cable into Ecosense back plate, enter via suitable cable inlet cut out.
- 6) Make connections as per Fig 2.
- 10) Should you wish to fit "Tamper proof" IR extension transmitter option, firstly, locate the infrared receiver window. Stick the extension transmitter eye directly onto the A/C receiver window and feed cable back to Ecosense. Plug the other end of the cable into socket located near the mains power connector block on the underside of Ecosense. Allow excess cable to lay in the underside of the A/C cover. Do not wind or bunch up excess cable.
- 7) Replace A/C cover, and fit body of Ecosense to back plate using the four screws provided.
- 8) Switch power back on, and commence set-up procedure, go to SET UP/FUNCTION SETTING OPTIONS.

FIG 2





With the A/C running, press the LOCK button once, the red light will flash to indicate which transmitter is in use (denoted by the number of flashes, once for No.1 transmitter, twice for No.2 and so on) followed by a single flash to indicate the test signal has been transmitted. For example, if you press the lock button and the light flashes three times, followed by one single flash this means the number three transmitter has been used. If you press the lock button again you will move on to the next transmitter in line.

Continue with this procedure until you hear the BEEP from the A/C unit. This now means you have achieved connectivity between ECOSENSE and your A/C unit. You have now successfully completed the set up process, do not touch any buttons for the next 15 minutes this will enable the buttons to automatically lock and save your settings.

- 5) If the A/C does not switch off after pressing the lock button 4 times, it may be necessary to use the extended infrared transmitter. Remove A/C front cover and locate infrared receiver window, attach Ecosense transmitter head using stick pad directly over the top of the receiver window. Run the cable back to Ecosense and plug into base of unit. Press lock button again until A/C switches off. Replace A/C cover.

## Night/Day setting

Ecosense has three setting options, when you press the NIGHT/DAY setting button the light will flash once, twice or three times to indicate which mode it is set in. To change the mode keep pressing the button and it will scroll through the options.

- 1) One flash indicates continues running, this means Ecosense will operate 24 hours day or night.
- 2) Two flashes indicate COMFORT PLUS mode, in this setting when Ecosense detects darkness it automatically resets the time delay to one hour. During this time (in darkness only) if Ecosense detects no movement in one hour it will transmit the off signal to the A/C. As soon as Ecosense detects light again, the time delay reverts back to original setting.
- 3) Three flashes indicates NIGHT SETTING mode. This means that as soon as Ecosense detects darkness it goes into standby mode i.e. your A/C can run continually until Ecosense detects daylight again.

## Delay setting

Ecosense has three TIME DELAY settings, when you press the TIME DELAY setting button the light will flash once, twice, or three times to indicate which mode setting is in operation. To change to the setting keep pressing the button and it will scroll through the options.

- 1) One flash indicates a 15 minute time delay
- 2) Two flashes indicate a 30 minute time delay
- 3) Three flashes indicate a 45 minute time delay

## Clear Memory

Press and hold the clear memory button until the light flashes twice, this will indicate that the IR signal memory has been cleared, all other settings will remain in place. If you wish to adjust any other settings, unlock function buttons, and use relevant set-up procedure.

## Customer support service

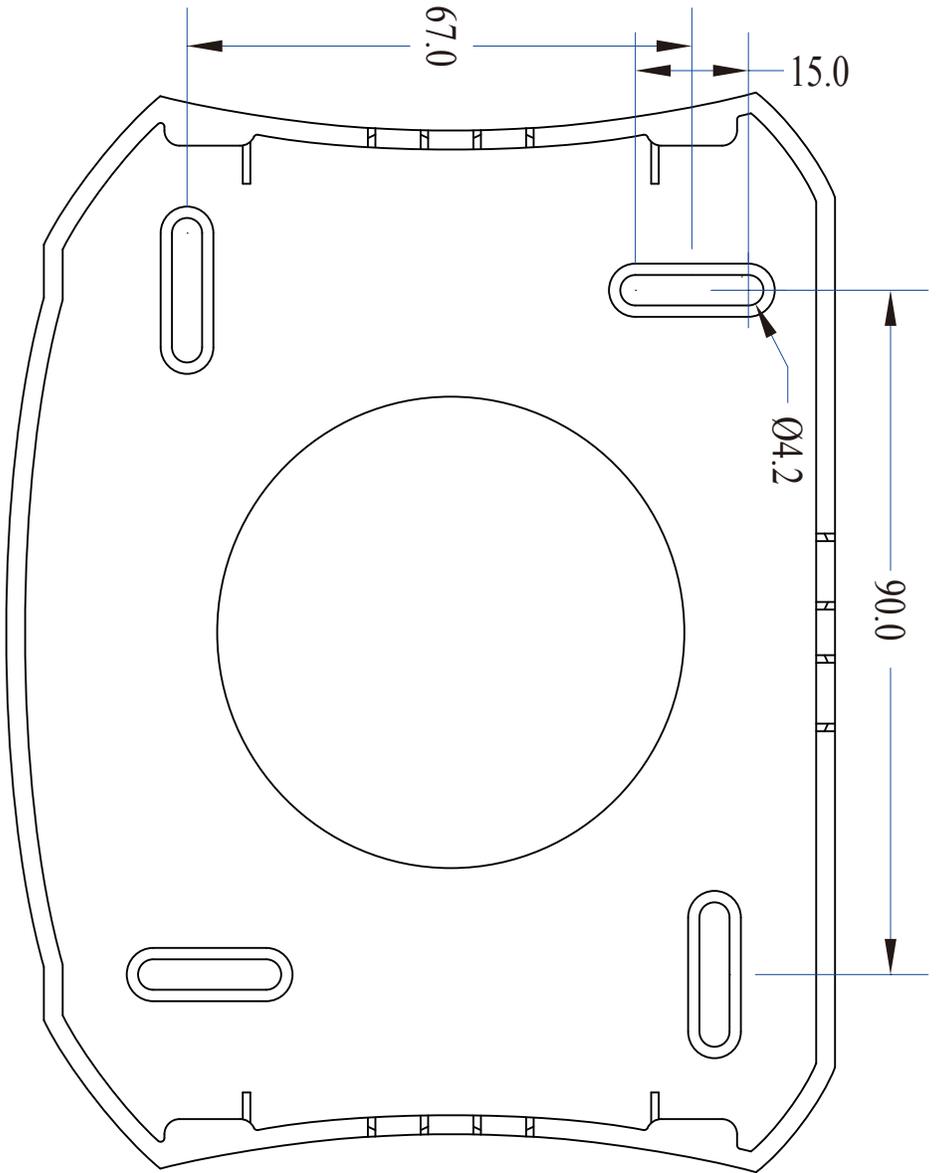
If you have any questions or problems during installation please use the following numbers for assistance.

0800 9172659

0044 7775 893956

### Note

In the event of a power failure or the power is removed from the A/C, as soon as the power is reinstated, Ecosense will revert back to the operating settings in use prior to the power failure.



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