Replacing the CloudWatcher Lid

This section describes the procedure to replace the lid of your CloudWatcher.

Skill Level

Easy, although some dexterity required.

Tools Required

- Small crosshead screwdriver
- Small flathead screwdriver
- Optionally - Small electrical pincers.

Time Required

One hour.

Tips

Work on a stable well lit surface.
Do not rush.
Take photographs of the connections before loosening any connections or disassembling and parts.
Use a container, such as a jam jar lid, to hold screws during the procedure.
If you have trouble differentiating colours, you may find it helpful to use a marker pen to identify individual wires.
Step 1

a. Remove any external stickers that may be covering the joint between the lid and the body of the CloudWatcher.

b. Unfasten the case, using the thumb screw highlighted in the photo below. Note: It is not necessary to remove the four corner screws.
Step 2

a. Carefully open the case to reveal the circuit board inside.

b. Loosen the nine screws to the left in the picture, which connect the lid to the circuit board. Note: The four screws, highlighted in the picture below, may also be used to connect the optional Pressure and Relative Humidity Sensor. If so, be sure to note the order of the connections, preferably by taking a photo prior to disconnecting the wires.

c. Remove the old lid.
Step 3

a. Prepare the new lid for connection.

It is critically important to connect the wires in the correct order. Please take time to check that the wires are connected in the correct sequence. **Failure to do so, may cause irreparable damage to your CloudWatcher.**

Take care not to damage the coating of the Rain Sensor during the installation.
b. The picture below shows the orientation of the wiring during a factory installation.
The left-hand wire (yellow) should be connected to the left-most connector of the left-hand block, marked ‘Heat’. Thereafter, connect the wires in sequence working from left to right. Remember that the last four connectors may be shared with the Pressure and Relative Humidity Sensor. If so, ensure that both wires are securely connected, before tightening the respective screw.
c. Use the picture below to confirm that the lid has been correctly connected to the circuit board.

Step 4.

a. Carefully attach the lid to the case and secure with the thumb screw.

b. If possible, test the unit before redeploying it to your observatory.

Should you encounter and problems during or after this repair, please contact support@lunaticoastro.com.