

USER MANUAL

for

LADYBIRD

<P, L, T, R>



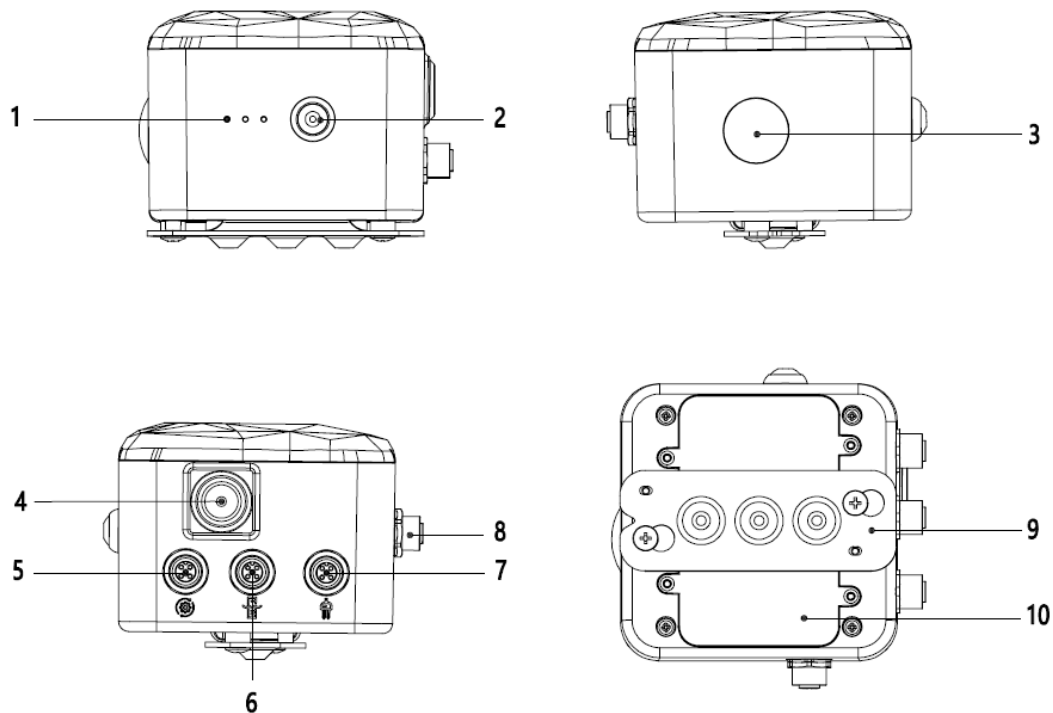
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For more information please contact info@terraprimagroup.co.uk.

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1. Parts and Controls



1. On/Off Push Button
2. LEDs (3)
3. Light Intensity Sensor
4. Air Relative Humidity and Air Temperature Sensor
5. M12 Connector for Automation
6. M12 Connector for Water Level Transmitter
7. M12 Connector for Soil Probe
8. M12 Connector for Programming, Debug and Power.
9. Wall Mounting Plate
10. Battery Cover

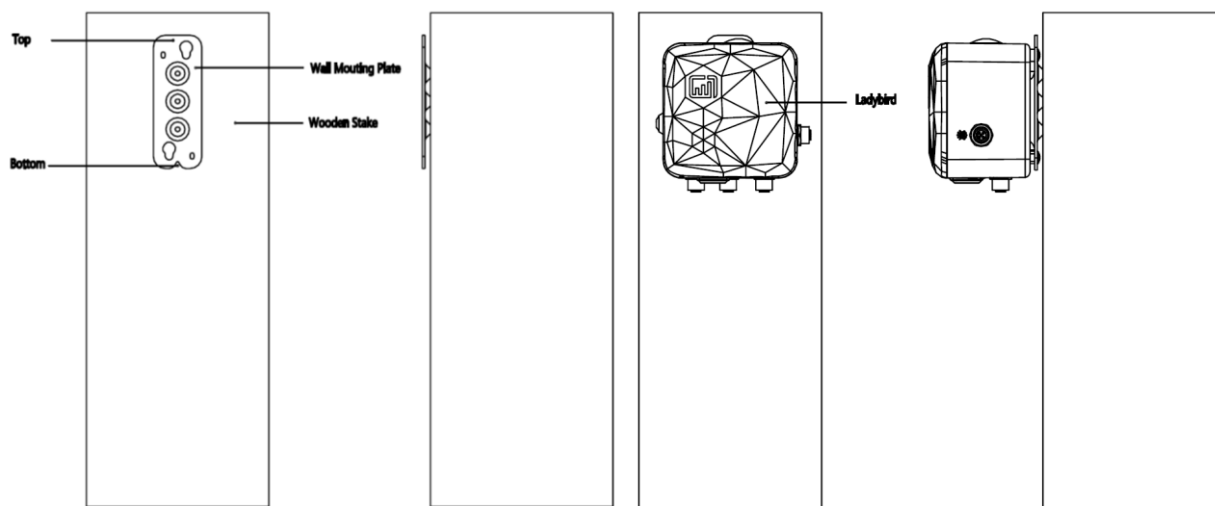
The following Ladybirds Accessories are sold separately:

- Pole Mounting Plate
- Soil Moisture and Temperature Probe
- Soil Probe cable with M12 5-pin Male-Female
- Water Level Transmitter (includes cable and M12 3-pin Male connector)
- Automation hook-up cable with M12 2-pin M connector

2. Device Installation

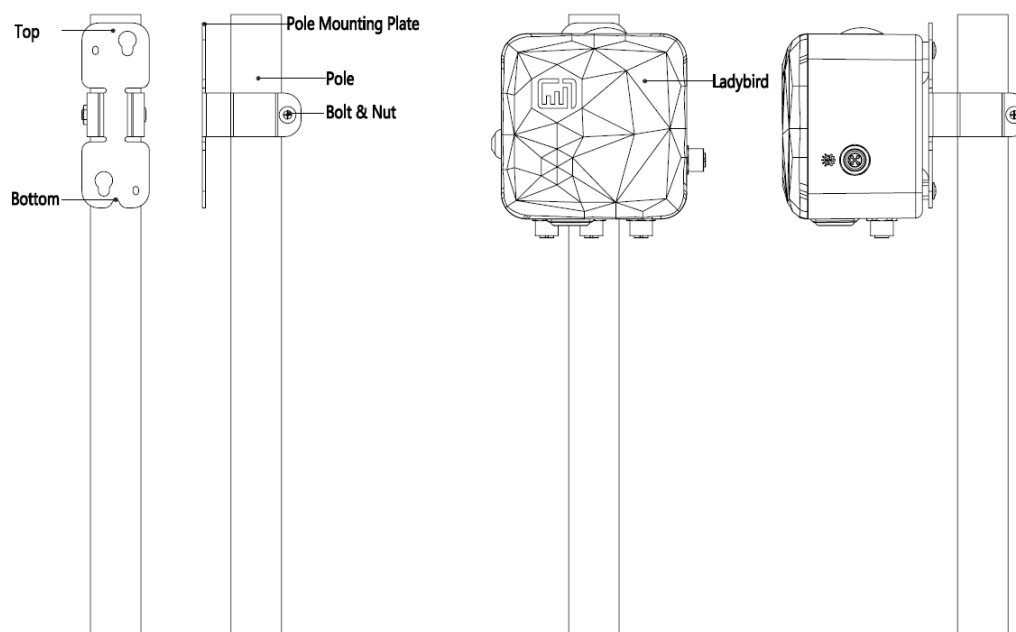
1. Wall Mount plate

Fix the plate with three M3 screws on the wall (or any other appropriate pole or surface) and hang the device onto the plate as shown.



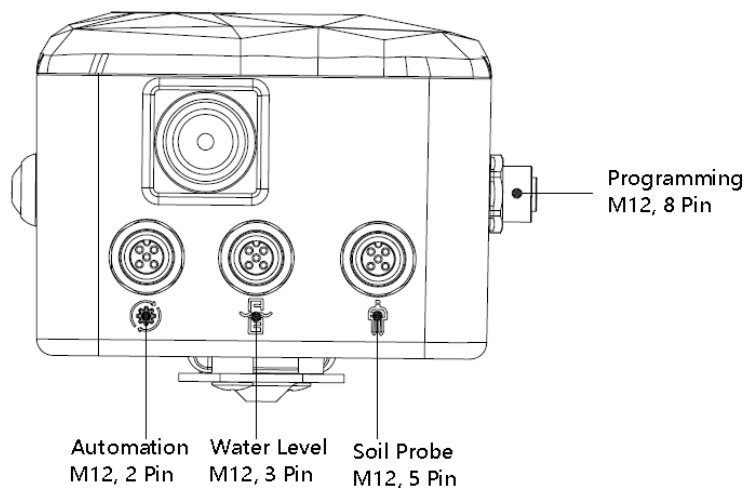
2. Pole Mounting Plate

Install the Pole Mounting Plate onto the pole and secure it using the included bolt and screw nut and then hang the device on the plate.



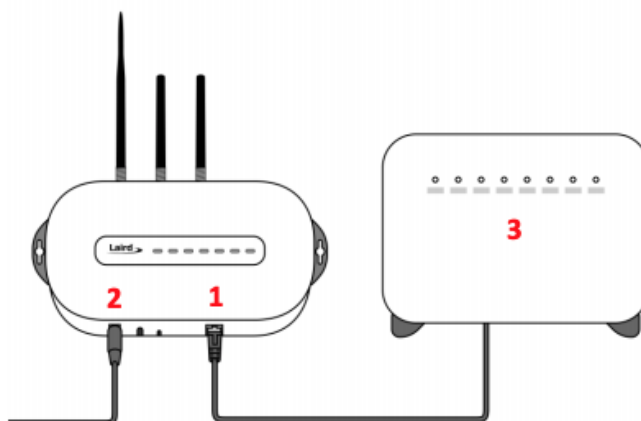
3. Accessories Installation

1. Unscrew the connectors' protection caps
2. Insert the accessories' male connectors into the ladybird female connectors and secure the locking thread



4. Gateway installation

1. Follow the label on the gateway enclosure to connect the 3 antennas
2. Connect the power supply (2)
3. Connect the gateway to the router (3) using the included Ethernet cable (1).
4. Contact us at info@terraprimagroup.co.uk if you wish to use WiFi instead.



5. Power on the Ladybird

1. Press down the push button to turn on the device.
2. The first 2 LEDs will become “Green”, signalling that the power and internal sensors self-test has been successful
3. Wait for the third LED to become green. The ladybird is now installed and the wireless link has been established successfully.

6. Dashboard Setup

1. Log into dashboard
<http://dashboard.terraprimagroup.co.uk>
2. Type username and password
3. Follow the instructions for setup and registrations

7. Electromagnetic Interference Warnings

This device complies with Part 15 of the FCC Rules, Radio Equipment Directive.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC/RED radiation exposure limits set forth for an uncontrolled environment and meets the FCC/RED radio frequency (RF) Exposure Guidelines.

This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

8. Care and Maintenance

1. Keep clean the light sensor cover and avoid light obstructions for accurate light readings
2. To replace the batteries:
 - Remove the four screws to take the battery cover off
 - Replace the 6 AA batteries
 - Install back the battery cover and tighten the four screws.

Note:

There is no need to tighten the screws too much.

Make sure that the O-ring is in place to ensure waterproof.

FCC ID: 2AVA5LADYBIRD

