



IRRIGATION AUTOMATION



Dcon Ag

WL

[Water Level]

Field Installation Document





Technical Specification

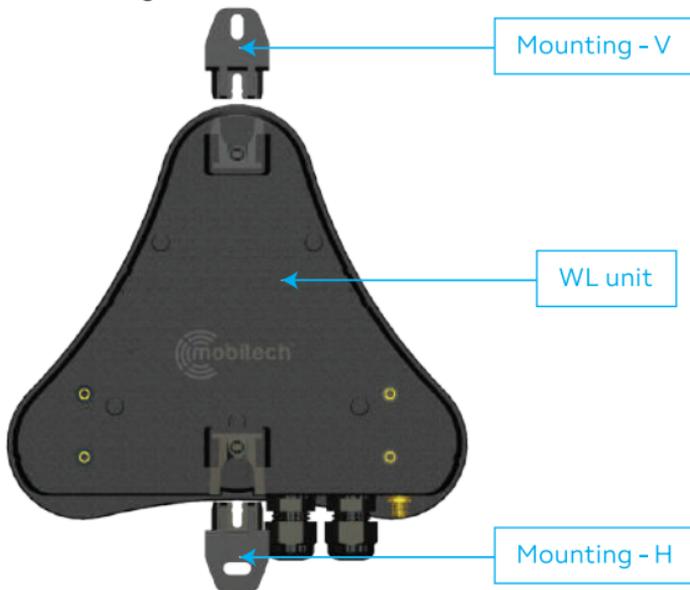
Product Name	: WL (Water Level)
Solar Panel	: 12V/13W
Battery	: 7.4V/2.6AH
Backup Time	: 72 Hours
Communication	: LORA and Bluetooth 5.0
GPS	: Inbuilt
Sensor Output	: 0 - 5V Analog
Sensor	: Linear Water Level Sensor

ASSEMBLY PROCEDURE

Mounting Assembly

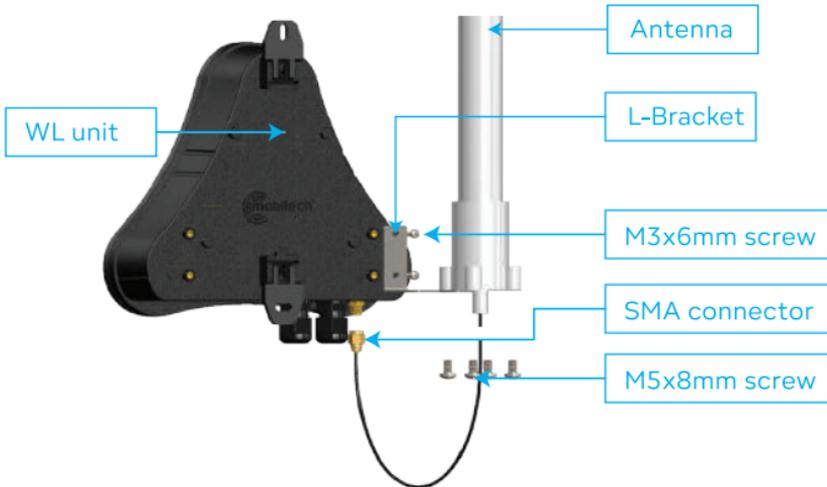
Place V slot mounting at top side.

Place H slot mounting at bottom side.



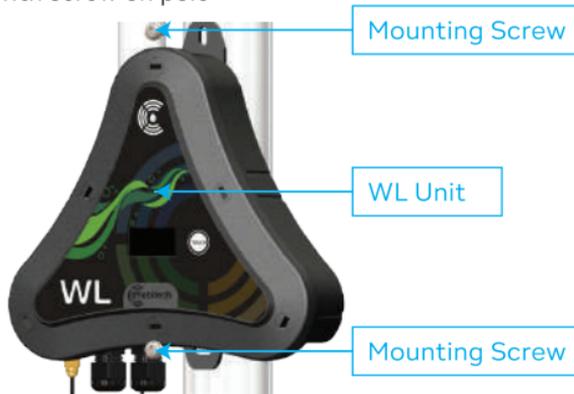
Antenna Assembly

- Place the L-bracket for antenna mounting and screw with M3x6mm screw.
- Place the antenna on the mounting plate with M5x8mm screw.
- Connect antenna connector to SMA connector in WL unit.



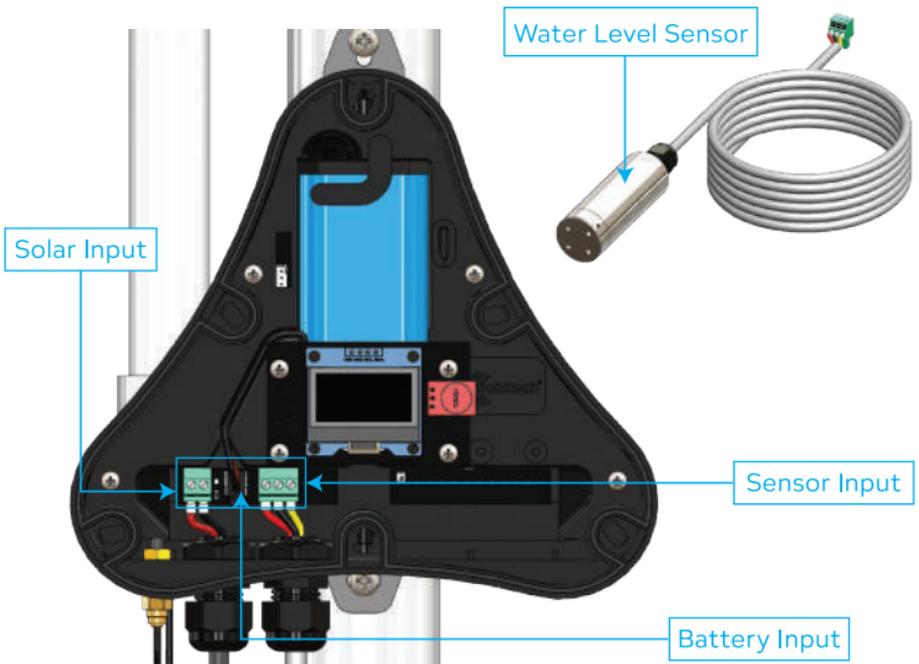
Pole Assembly

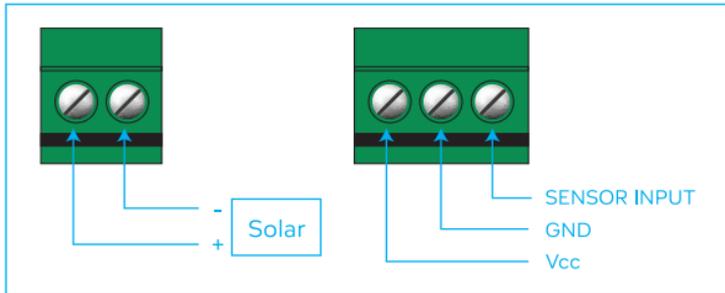
- Mount WL unit with screw on pole



Wiring Drawing

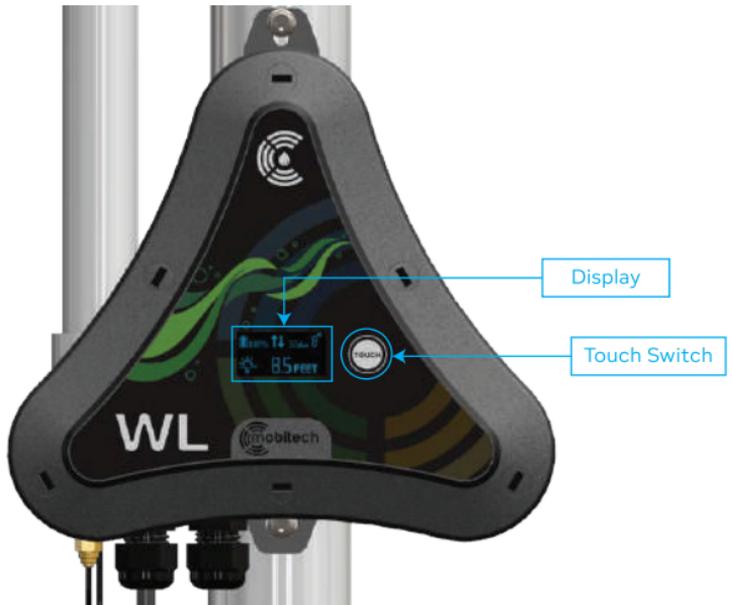
- Open top cover.
- Open cable gland 1, insert solar cable in to cable gland 1 and connect cable as shown in wiring diagram.
- Open cable gland 2, insert Water level Sensor cable in to cable gland 2 and connect cable as shown in wiring diagram.
- Connect Battery connector as shown in picture.
- Check all connections and ensure tight of cable gland before closing top cover.





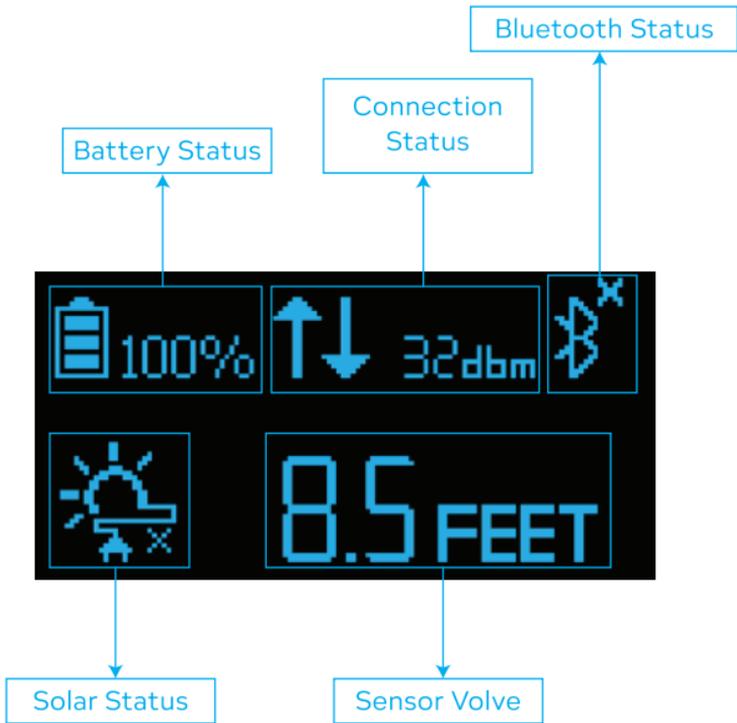
Configuration

- OAfter finishing wiring, touch the touch sensor, it will wake-up display.
- Long touch (3sec) to connect Bluetooth for configuration.



Display Screens

Wake-up Screen





Battery Status



- It shows Internal Battery Percentage

Connectivity



- It shows Connectivity Strength

Bluetooth Status



- Bluetooth Disconnected



- Bluetooth Stand-by (Blink)



- Bluetooth Connected

Solar Status



- Solar Not Connected



- Solar Connected (Blink)

Sensor Valve



It shows water level in Feet.



It shows water level in Meter.



It shows water level in Percentage.