



IRRIGATION AUTOMATION



VCN4

Field Installation Document

Technical Specification

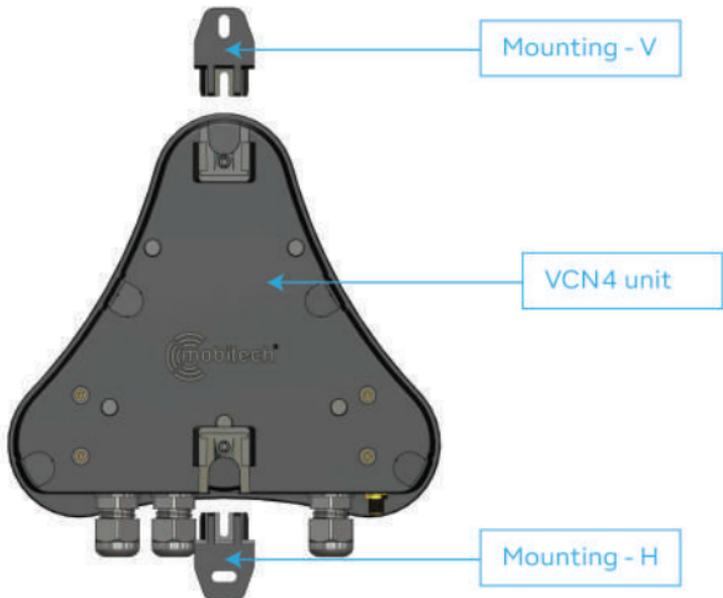
Product Name	: VCN 4
Solar Panel	: 9V/6W
Battery	: 3.7V/2.6AH
Backup Time	: 168 Hours
Communication	: LORA and Bluetooth 5.0
GPS	: Inbuilt
Number of Valves	: 4

ASSEMBLY PROCEDURE

Mounting Assembly

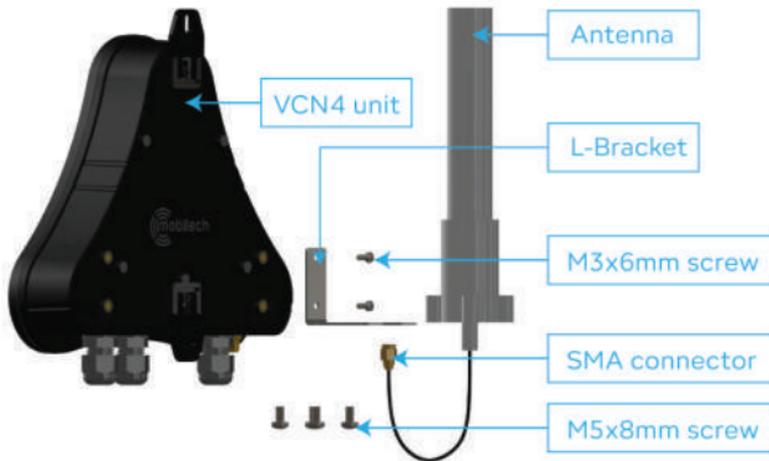
Place V slot mounting at top side.

Place H slot mounting at bottom side.



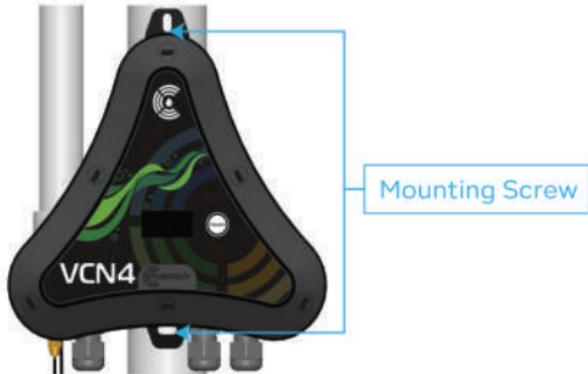
Antenna Assembly

- 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 VCN4 unit.



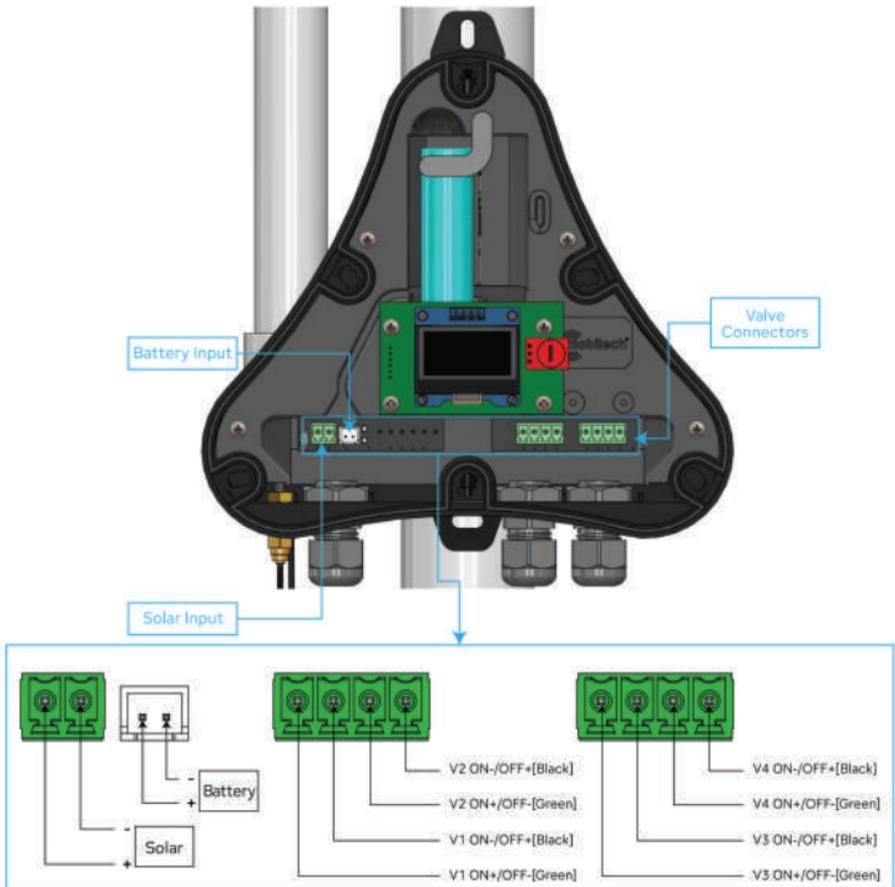
Pole Assembly

- Mount VCN4 unit with screw on pole



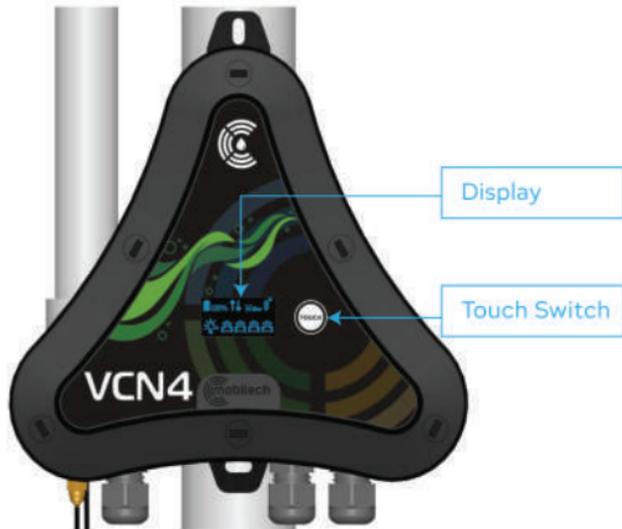
Wiring Drawing

- Open top cover.
- Connect the solar input as shown in wiring diagram.
- Connect the battery connector as shown in wiring diagram.
- Connect valve wires as shown in wiring diagram.



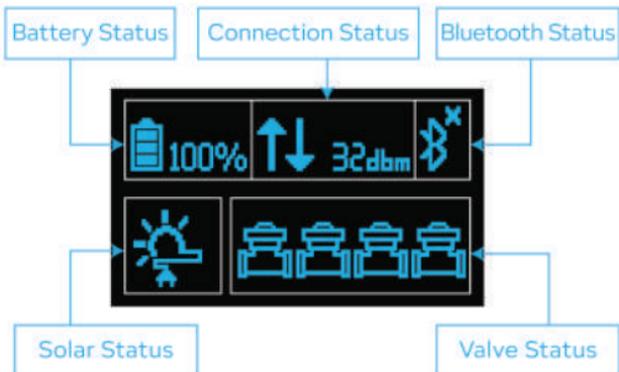
Configuration

- After 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)

Valve Status



- Valve OFF



- Valve ON (Blink)
