

NOW EVERYTHING IS AUTOMATIC...

LET'S SAVE THE WATER TOGETHER

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MOTCON V2

WIRELESS AUTOMATIC WATER LEVEL CONTROLLER

- **Motcon V2 is specially designed for wireless control of pump sets along with tank water level indication and dry run protection.**
- **The intelligent system automatically switches ON the pump set when the tank water level drops to a certain level and switches OFF the pump set when the water level reaches full.**
- **The use of LoRa wireless communication technology enables seamless working in all weather conditions and even if the pump set is far away from the tank (up to 4 km).**
- **Motcon V2 has two units, a wireless receiver unit for controlling the pump set and battery powered wireless transmitter unit for sensing tank water levels.**
- **Tank wireless transmitter powered with Li-ion Battery. The battery is charged through a solar charge controller with a 5-watt solar panel.**
- **LoRa is a free of cost and uses Indian license free frequency band 868Mhz.**
- **Since the wireless signals uses 6 byte Unique ID, paired pump set will be controlled according to the tank Water level.**
- **The pump set will be switched OFF if the system detects dry run situations due to pump set or plumbing problems and will raise the audible alarm.**
- **The pump set does not turn ON at high/ low voltage.**
- **The system uses a 16x2 LCD character display as the graphical user interface.**
- **The display indicates the transmitter battery level, live AC voltage, pump status, tank level status and signal reception status.**
- **The system has built-in protection against surges and voltage spikes.**
- **Aesthetically designed for safe and easy installation and maintenance.**
- **Motcon V2 reduces the waste of water and saves you time and money.**



← Up to 4km Range →



TRANSMITTER UNIT



TRANSMITTER DATA SHEET

Mode of operation	Wireless-LoRa Technology
Frequency	866Mhz
Antenna power	5dBi
Sensing method	Magnetic float method
Sensing parameter	Tank low,Tank full,Dryrun
Solar panel	12v 5W
Battery	3.7v Li-ion single cell
Battery backup (without sun light)	40 Days
Enclosure material	Polycarbonate
Protection	IP65
Unit dimension	100x100x70
Weight	235gm

RECIEVER UNIT



RECIEVER DATA SHEET

Mode of operation	Wireless-LoRa Technology
Frequency	866 Mhz
Control characteristics	Wireless & Sump Tank
Control method	Manual/ Auto
Rated output power	0.37.KW - 1.86KW(0.5HP-2.5HP)
Rated input power	AC 230V/50Hz Single phase
Trip voltage of High voltage	260V
Trip voltage of Low voltage	175V
Trip response High/Low voltage	<10 sec
Trip response time of Dry run	5 sec
Recovery time of voltage	10 sec
Recovery time of Dry run	Manual
Output Load	All single & 3phase panels
Protection functions	Dry run
	High Voltage
	Low Voltage
	Transient surge
Unit dimention	155x140x56 mm
Weight	1100 gms

