

MPWL SPECIFICATIONS

Watco make MPWL is a combination of Motor Protection Relay and Liquid Level Controller. MPWL System ensures continuous Water supply with motor protection.

Liquid Level Controller

Watco make MFS(Magnetic Float Switch)sensors (2nos) are used for sensing the water level in over head tank and sump tank(Underground tank).Sensors are used for continuous monitoring of water level in sump and overhead tank which sends appropriate electronic signal to MPWL and switch ON/OFF the pump set.



Motor Protection Relay

MPR protects motor by tripping from Overload or Dry run. This Unit is accompanied with CT for current sensing. On site independent adjustable knobs are provided on the unit to facilitate Overload and Dry run settings as per the required motor current

Overload -> Higher current than the normal specified ON load pump current.

Dry Run -> Lower Current than the normal specified ON load pump current

Features

- Easy to Install
- User Friendly
- Light weight
- Overload and Dry run Independent accurate setting
- Visual Indication
- Add-on to the existing panel
- Useful for any liquid tanks
- Auto/manual facility
- Current sensing faster than thermal over load relay
- Save electricity and wastage of water

Applications

- Pumps- 1) Submersible 2) Bore well Pump
3) Centrifugal Mono block Pump
4) Pressure Booster Pumps.
- Used for STP,WTP(Float Sensor)
- Multi tank Multi storage system
- Industrial as well as domestic purpose

Technical Specifications

Nominal Frequency	50Hz±3%
System Voltage	230V(150 V – 265V)
A/M switch	15Amp toggle switch
Relay contact	20Amp
Contact rating AC	230V,30 Amp
External Input	CT
Input Sensor	2Floats(1 OHT,1 Sump Tank)
OL/DR	Settable up to 30 Amp
Indication	1-Power on 2-Overload 3-Dry Run 4-Sump dry 5-Over head tank full(OHT)
Enclosure	Powder coated M.S. Box,ABS DIN rail
Dimensions	L-140mm,W-140mm,D-90mm
Weight	Approx 600 gm

Option for Bore well(Available)-
1. Starting Condenser operation relay
2. Dry run resetting timer