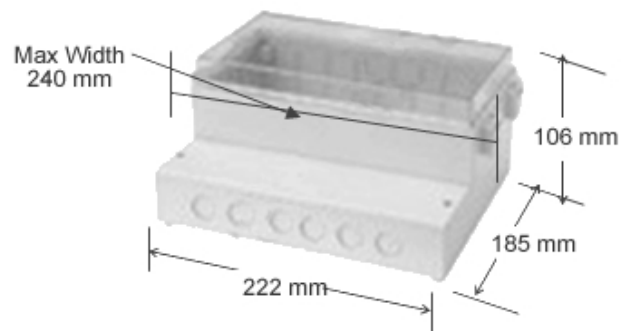


# Microprocessor Based Electronic Single Pump Motor Control Panel

(Manual or Automatic operation of pump with **LED** display of actual status)

- **Adjustable Over Current (Overload) Protection**
- **Adjustable Under Current (Run Dry) Protection**
- **Short Circuit and Phase Failure Protection**
- **Built in High Level Audio / Visual Alarm**
- **Total Hours Run and Total Number of Starts Count Display**

2.5 KW 1Phase and 5.5 KW 3Phase panels in stock - higher rating on request



## Applications

**Borehole pumps:** Automatic Water Supply, Irrigation, Filling Tank

**Submersible pumps:** Automatic Sewage & Waste Water Pumping from Sump, Audio / Visual Alarm for reaching High Level

**Centrifugal pumps:** Used in various industries like Agriculture, Water Supply, Chemical, Pulp & Paper, Fertiliser, Petrochemical, etc

## Features and Benefits

- Made of heavy duty ABS plastic with Transparent hinged cover and separate terminal box with cover. Both covers are with “O” ring seal protecting water entry in the panel.
- One 1Ph panel can operate pump up to 2.5 kW/20A DOL rating & One 3Ph panel can operate pump up to 5.5 kW/20A DOL rating motors, thus no need to have different panels for different ratings.
- Over Current (Overload) and Under Current (Typical Run Dry) values can be set or change at any time to suit the actual current drawn by motor. These values are protected by digital code lock.
- AUTO pump operation by signal from Float or Pressure switch. Also facility to operate pump in MANUAL On/Off mode any time.
- Facility for signal from Second Float or Pressure switch typically used for High Level indication in sump while pump still operating.
- Safe low 12V DC control circuit for Float / Pressure Switch.
- Audio / Visual alarm activation for any fault / tripping of motor.
- Easy to read digital display of following pump motor status:
  - Continuous display of Actual current drawn by the motor when operating (no need for additional ammeter)
  - Over current fault (displayed as “OC” with audio alarm)
  - Under current fault (displayed as “UC” with audio alarm)
  - Short circuit fault (displayed as “SC” with audio alarm)
  - Standby ready to operate in Auto mode (displayed as “SdbY”)
  - Manual mode On / Off (displayed as flashing “On” or “OFF”)
  - High Level in sump / tank (displayed as “HL” with audio alarm)
  - Total no. of “Hours Run” & “No. of starts” (Recorded in memory & can be displayed any time by just push of a button)
- Volts free contacts available for BMS or remote monitoring.