COMPUTERISED PUMP CONTROL PANEL
(MICROPROCESSOR)
Automatic or manual operated. LED Display

APPLICATION

- Borehole pumps: Automatic water supply, Irrigation, filling tank.
- Submersible pumps: Automatic sewage and waste water pumping from sump, audio / visual alarm for reaching high level.
- Centrifugal pumps: Used in various industries like agriculture, water supply, chemical, pulp and paper, fertilizer, petrochemical etc.

DESIGN FEATURES

- Adjustable "Over Current" (Overload) and "Under Current" (Run Dry) protection
- Protection from "Short Circuit" and "Phase Failure"
- Built-in High level audio visual alarm
- Count display for pump showing total hours run and total number of starts

TECHNICAL FEATURES

- Made of heavy duty ABS plastic with transparent hinged cover and separate terminal box with cover. Both covers have "O" ring seal for water integrity.
- A single1 Phase panel can operate pump up to 2.5 kW/20A DOL a 3 Phase panel can operate pump up to 7.5 kW/20A DOL ratings, no need to have different panels for different ratings.
- Over Current (Overload) and Under Current (Run Dry) values for pumps can be set or changed at any time to suit actual current drawn by motors. These values are protected by digital code lock.
- AUTO pump operation with signal from float or pressure switch. Facility to operate pump in manual On/Off mode.
- Facility for signal from second float or pressure switch typically used for high level indication in sump while pump still operates.
- 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 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 sump / tank (displayed as "**HL**" with audio alarm)
  - Total no. of "Hours Run" and "No. of starts" (Recorded in memory and can be displayed by push of a button)
  - Volts free contacts available for Building Management System or remote monitoring