

COMPUTERISED ALTERNATING TWIN PUMP CONTROL PANEL (MICROPROCESSOR)

Automatic or manual operated. Two pumps with alternating duty cycle and LED display for each pump's status

APPLICATION

- Automatic Twin Booster Pumpset: Water supply to large establishments on demand, Irrigation.
- Automatic Twin Submersible pumps: Sewage & Waste water pumping from sump / tanks, with Audio/Visual alarm on reaching high level.

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 each 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 single 1 Phase panel can operate Two pumps up to 2.5 kW/20A DOL a 3 Phase panel can operate two pumps 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 single pump operation with "Alternating Duty" and twin parallel pump operation by signals from float or pressure switches facility will operate any pump at any time in manual On/Off mode.
- Facility for signal from third float or pressure switch typically used for high level indication in sump while pumps still operating
- Safe low 12V DC control circuit for float / pressure switches.
- Audio / visual alarm activation for any fault / tripping of motors.
- Easy to read digital display for each pump 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" for each pump (Recorded in memory and can be displayed by push of a button)