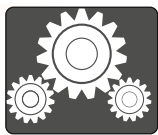


# PUMP CONTROLLER

## PUMP GURU



Setting



Auto / Manual



Power



Alarms



Total hours



Modbus

The most Innovative Technology

for complete care of your pump

 go  
green

Pump Guru is designed with latest technological features, functions & options to cater the wide demand from domestic to industrial pump with global acceptance

- Excellent Control
- High Reliability
- Efficient pump control
- Compact in size
- Clear & visible LCD Display
- 12 types of protection features
- Graphic indication of pump running
- Proven Track Record

## Small | Efficient | Economical

### Applications:

PUMP GURU is an Intelligent Pump Controller , easy to use, Control & Protection Device for Direct Start (DOL) or Star Delta Three Phase deep well submersible pump, centrifugal pump, pipeline pump etc with output power from 0.75 KW ~ 75 KW (1HP-100HP)

PUMP GURU has many operation modes by adopting different electric installations. An important feature that makes the difference between PUMP GURU and common On/Off pump control box is the probe / sensor free in the well. Our special design makes it a very reliable and sensitive protection against pump dry run without installing probe / sensor in the well. Pump Guru protects Pump against major faults which affect the smooth operation & also increases the life of Pump by displaying Alarms which can be useful for preventive maintenance.

### Features

#### ◆ Protection for Pump

- |  |   |
|--|---|
| 1. Over Current (Over Load) Protection | 7. Pump Dry Run Protection                  |
| 2. Over Voltage Protection             | 8. Pump Stalled / Short Circuit Protection. |
| 3. Under Voltage Protection            | 9. Earth Fault Protection.                  |
| 4. Phase Reversal Protection           | 10. Pump Moisture Protection.               |
| 5. Phase Loss Protection               | 11. Pump Over Heat Protection               |
| 6. Phase Unbalance Protection          | 12. Low PF Protection                       |

#### ◆ Graphical Display

1. Graphical LCD Displaying Pump running state & water level indication of both tanks
2. Display of all Three Phase Voltage & Three Phase Current continuously
3. Display of Power Parameters – KVA / KVAH , KW / KWH , HZ / PF
4. Pump Running Graphics
5. Pressure Level Status – Pressure High / Low
5. Display of last Twenty Faults
6. Total Pump Accumulative Running Time Display
7. Pump Last Run Time Display
8. Selection of Auto / Manual Mode

#### ◆ Pump Operation

1. **Auto / Manual**
2. **Time Based ON/OFF**
3. **Real Time ON/OFF**
4. **Multi Tank Level Operation.**
5. **Water supply by pressure control through Pressure Tank and Pressure Switch**
6. **Water Supply by Level control through Level probe or Float Switch**
7. **RS485 RTU Modbus Communication for PC Interface to Monitor / Control from Remote Location**

#### ◆ General

1. User-Friendly wiring connection
2. Integrated Design, Easy To Install
3. Industrial Grade Design

#### ◆ Optional

1. Level Card
2. Modbus RTU
3. CBCT Coil
4. Level Probe
5. Temperature & Moisture fault contact of motor
6. **Gsm Based Mobile Application Control**

#### ◆ Areas of Applications:

- |                             |                           |
|-----------------------------|---------------------------|
| 1) Farm & Agriculture       | 5) Commercial Buildings   |
| 2) Multi- Storey Apartments | 6) Industries             |
| 3) Hotels & Restaurants     | 7) Government Water Works |
| 4) Hospitals                | 8) Bungalows              |

