



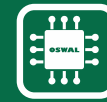
OSWAL
True Partner *Genius*

- Theft Protection
- Complete Protection
- Remote operation

TOLLFREE

 **1800 120 1882**

Scan the QR Code to
Download the Genius App



OSWAL STAR-DELTA

CONTROL PANEL

Genius & Genius Smart Control Panel



「Company Profile」

Oswal Pumps Ltd is a pioneer in Energy efficient stainless steel fabricated Pumps, and is among fastest growing Solar Pumping manufacturer In India. We have an array of Products ranging from AC/DC Solar Pumps, Centrifugal Monoblock pumps, Submersible pumps, Horizontal Openwell pumps, Energy efficient Three Phase and Single Phase Induction Motors and other Industrial Pressure Boosting pumps to fulfil water transportation needs across the globe.

With a legacy and expertise from last 2 decades, we have India's Biggest manufacturing Unit with complete backward integration technology catering our services to India's top corporates. Our manufacturing plant is based in Karnal, Haryana in over 11 acres with state of art technology. We extend our services not only in Pan-India, in-fact we have our present in more than 40 countries across the globe.

Oswal is committed to provide excellence in quality, service to its customers, at affordable prices. Our engineering experts commits to provide energy efficient solutions to all our clients, government nodal agencies using renewable and sustainable energy needs.

Some of the salient features of the plant and the product are:

- 100% inhouse production
- Highly advance machinery with 0.01 micro tolerance
- Widest range in single and three phase induction motors
- Approved by BIS
- 100% advanced testing technology



OSWAL GENIUS STAR & DELTA CONTROL PANEL

GENIUS Star-Delta (GSD) is a very advanced product offering from OSWAL PUMPS LTD. GSD now has a complete range offering from 5 HP upto 20 HP.

GSD is the all in one smart digital control Panel which combines the regular function of a control Panel. This control Panel is a manually single push switch to start. Shot Circuit Protection, Dry Run Protection Water Level Control Panel Which Protect the Complete unit..

Key features:

Single Push Switch to Start the motor in star & it will be automatically turned in 10 seconds to Delta. High Voltage, Low Voltage, at Overload Indicators. Main Fully Panel ON/OFF Control Switch in Front Side of the panel.



OSWAL GENIUS SMART CONTROL PANEL

GENIUS Star-Delta (GSD) is a very advanced product offering from OSWAL PUMPS LTD. GSD now has a complete range offering from 15 HP upto 60 HP.

GSD is the all in one smart digital control Panel which combines the regular function of a control Panel including with remote switching, short circuit protection, dry run protection and an extra additional feature known as anti-theft which protect the complete unit.



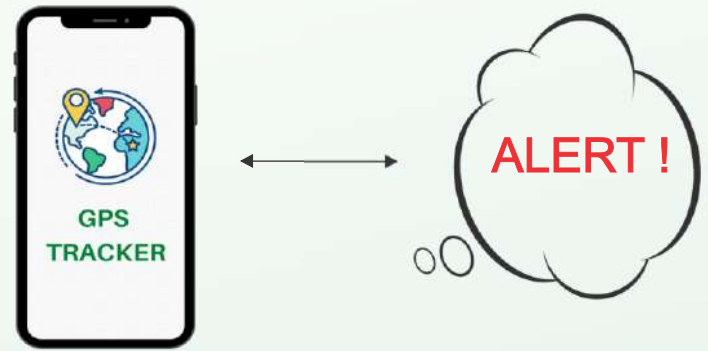
Key features:

Anti-Theft Protection is a unique key feature which helps farmers to do not worry about their control Panel getting stolen. If anyone tries to steal the panel, the product will immediately send an SMS Alert and an Alert Call of theft along with the new GPS location.

Three phase protection which sense each phase and when all voltages are under range then only allow to operate the control panel.

Another key feature is to set customized time variants according to the need of farmer.

The Remote operation which allows the setting of all the operation parameters which can be done in a hassle-free way using a mobile phone with sitting at a distance remotely. The product can be set through mobile phone as it can be easily operated with help of Call, SMS, and Android App.

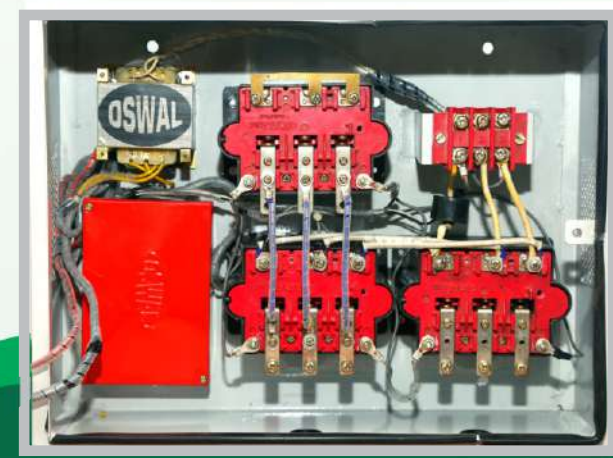
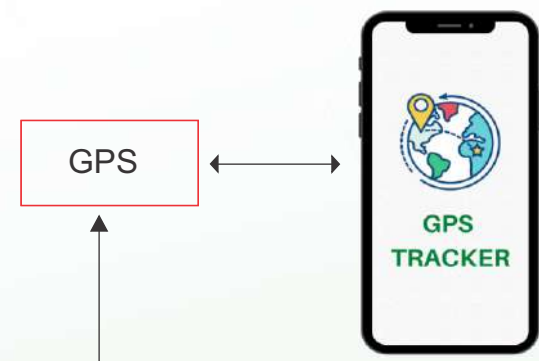


Oswal Genius Smart Control Panel

Genius : Smart Control Panel

GSM based complete remote operations like ON/OFF, Parameter setting, Monitoring, Trouble shooting through SMS or Mobile App.

In built Anti-Theft Protection which gives emergency alert call and SMS to your mobile when someone try to steal controller. Also gives new GPS location, if any body relocates your control Panel

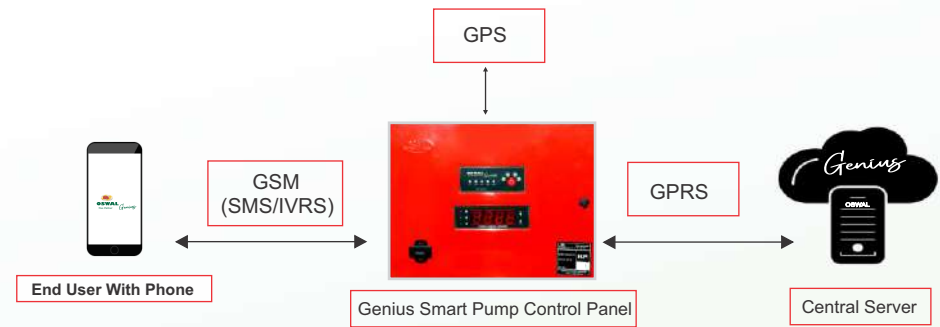


Oswal Genius Smart Control Panel

No need to connect any additional devices for your pump operation, only supply and motor wire to be connected



Genius Pump Control Panel - Communication



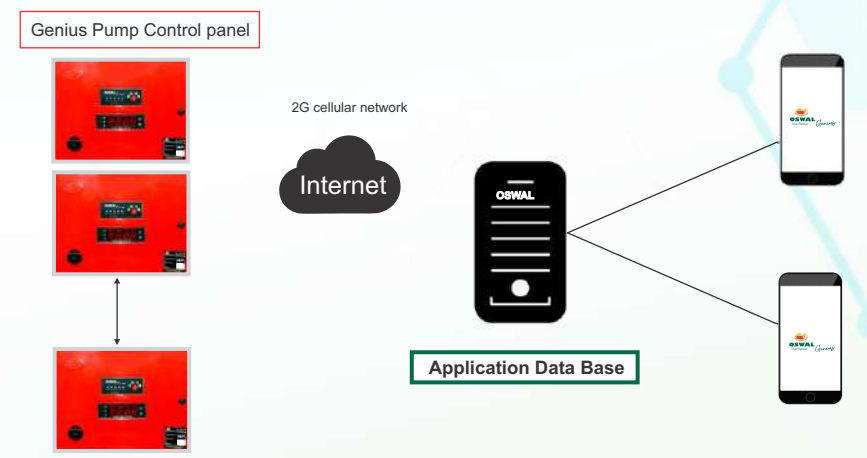
- Android App with SMS as back end
- 1 Master +3 User configuration
- Present status through SMS/IVRS
- Pump control through SMS/IVRS/MISSCALL
- Setting parameters viewing/change through IVRS / SMS

- Energy parameters through GPRS or SMS
- Anti-Theft Alarm through SMS
- Live monitoring status
- *GSM - 4G



Genius : Smart Control Panel

Smart Pump Control Panel Server Connectivity












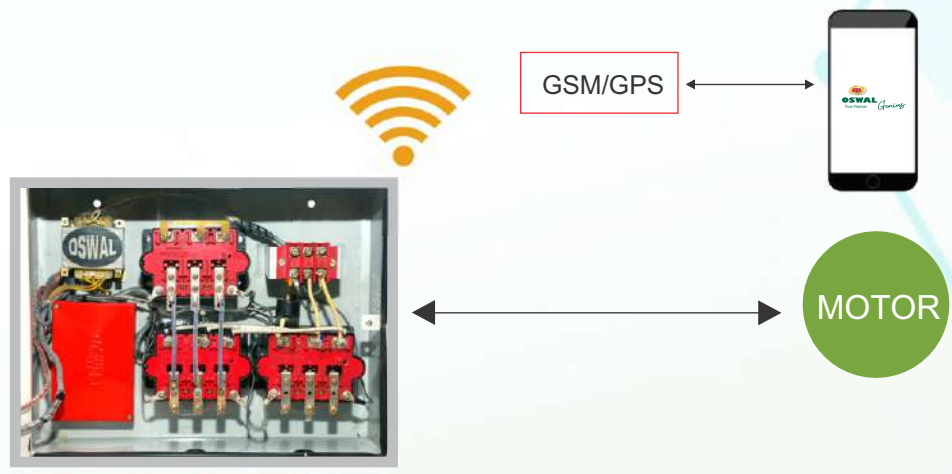
- Supported protocol HTTP/HTTPS/FTP/MQTT/RAWTCP/IP
- Configurable time to update system information on server
- Event based parameter update on server e.g. PUMP ON/Off, Fault Metering, Geographical location, Time stamp, Control Panel configuration and user settings
- Data storage on server side
- Data collection of control panel snapshot with latitude & longitude and Time stamp
- Web based user interface
- Notification function (SMS/e-mail)
- Usage and Control Panel Summary
- Client can extract data by connecting to central system

Oswal Genius Smart Control Panel

Genius : Smart Control Panel

Three Phase Voltage & Current based complete protection with individual protection Enable / Disable feature

-  Protection Form
-  Three Phase Voltage & Current Single Phasing
-  Voltage & Current Unbalance
-  Phase reversal
-  Over Voltage
-  Under Voltage
-  Overload
-  Locked Rotor
-  Dry Run and Short Circuit faults



Genius : Smart Way of Farming



Most popular protocol in internet of things(IOT)
Works on publish subscribe model Need Separate application for storage data at Server side



OSWAL

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Genius

OSWAL STAR-DELTA

CONTROL PANEL

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Oswal Pumps Ltd.

An ISO 9001,14001 Certified Company

TOLLFREE

 **1800 120 1882**

Oswal Estate, NH-1, Kutail Road,
P.O Kutail - 132037, Distt. KARNAL (Haryana) INDIA
E-mail : info@oswalpumps.com
website : www.oswalpumps.com