



Certified ISO 9001:2015

PRODUCT RANGE

- DOL / Star Delta Starters
- Water Level Controllers
- GSM Mobile Starters



**Khyatee** Launches New Generation of Compact Digital Pump Control Panels & Starters, made with Microcontroller based Software Technology which are Innovative, Easy to Install, Use and Support on the Field.

Made with Long-life Heavy Duty Contactors, Capacitors, Transformers, Terminals & Switches Duly

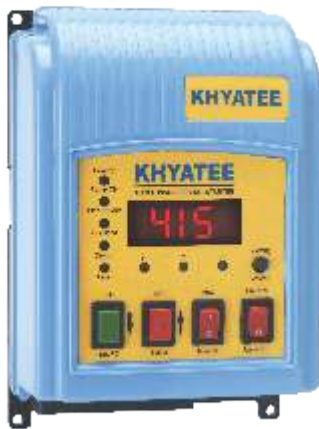
Wired with Insulated Lugs to withstand the Most Harsh Environment on Field Like Wide Voltage Fluctuations, High Humidity, Dusty Agriculture Fields etc.

Having Application in all the Areas Requiring Pump Control Solutions such as Agriculture, Domestic, Industrial, Waste Water Management, Multi Pump Automation etc.

**SALIENT FEATURES**

- Microcontroller based Software Technology
- Electronic Starter with AC / DC Coil Contactor
- Calibrated Digital Voltmeter & Ammeter
- Site Selectable Timers for Automation
- Site Selectable Protection Settings
- Easy Accurate & Automatic Current Setting
- User Friendly LED indications
- Pump Safety from Electrical Faults
- Working Voltage Range 250 to 500 Volts
- Multi Pump / VFD / Hydro -Pneumatic Automation Panels
- Panels in IP 54 Certified Enclosures (Water Proof, Shock Proof & Dust Proof)
- GSM based Smart Pump Control Panel with Energy Monitoring for EESL
- Customized Panels as per Requirements Available

## KDM 222 Three Phase Digital DOL Starter



Model: KDM 222

### CONNECTION DIAGRAM

| INPUT |   |   | OUTPUT |   |   |
|-------|---|---|--------|---|---|
| R     | Y | B | R      | Y | B |

- Current Range / Hp : n 2-22 Amp. for 1-7.5 Hp DOL Pumps
- Display : n Digital Voltmeter 200-500V  
n Digital Ammeter 1-30 Amp.
- Protections : n Phase Failure (Supply Side & Motor Side)  
n Reverse Phase (Supply Side)  
n Voltage and Current Unbalance  
n Electronic Overload (Site Settable 20-50%)  
n Remote Sensing Dryrun (Site Settable 60-95% - Bypass)  
n High Voltage (Site Settable 450-500V)  
n Low Voltage (Site Settable 200-280V)  
n Extreme High Current (Fixed at 26 Amps.)
- Timers : n Power ON Timer (Site Settable 03-300 sec.)  
n Motor OFF Timer (Site Settable OFF-05-720 min.)
- Starter : n Heavy Duty Wide Band DC Coil Contactors
- Options : n KDM 222 with Current Range 0.5-7 Amp. Available  
n KDM DOL (2-40 Amp.) Panel with AC Coil Contactors and 3 Pole MCB in Metal Enclosure  
n M4 DOL (2-22Amp.) with Inbuild GSM Mobile Starter

## KTP 99 WLC Three Phase Digital DOL Starter With Automatic Water Level Controller



Model: KTP 99



Model: KTP 99 (MS)

### CONNECTION DIAGRAM

| INPUT |   |   | OUTPUT |   |   | UPPER TANK |    |    | LOWER TANK |    |    |
|-------|---|---|--------|---|---|------------|----|----|------------|----|----|
| R     | Y | B | R      | Y | B | P1         | P2 | P3 | P1         | P2 | P3 |

### KDM 222 + All Below Features = KTP 99 WLC

- Timers : n Power ON Timer (Site Settable 03-300 sec.)  
n Dryrun Auto Start Timer (Site Settable OFF-05-720 min.)  
Once the Pump Trips with Dryrun KTP 99 WLC Restarts the Pump Automatically as per the Set Timer. So no need to Restart the Pump Manually and we get Maximum Water Output from a Low Yield Boring
- Special Features : n Universal Fully Automatic Two Tank Water Level Controller (Float Switch / Metal Sensor / Magnetic Switch can be Connected)  
n Indications for Upper Tank Full & Lower Tank Empty  
n Inbuilt 3 pole ISI Mark MCB which acts as a Main Switch & Short Circuit Protection.

## KSI 33 MCB / Mini Three Phase DOL Starter



Model: KSI 33 MCB



Model: KSI 33 Mini

CONNECTION DIAGRAM

| INPUT |   |   | OUTPUT |   |   |
|-------|---|---|--------|---|---|
| R     | Y | B | R      | Y | B |

|               |   |   |   |
|---------------|---|---|---|
| Current Range | : | n | 1.5-2.5 / 2.5-4 / 4-6.5 / 6-10 / 9-14 / 13-21 Amp.  |
| Display       | : | n | Analog Voltmeter (100-500 V)<br>n Analog Ammeter (1-20 Amp.)  |
| Protections   | : | n | Phase Failure (Supply Side)<br>n Reverse Phase (Supply Side)<br>n Voltage Unbalance<br>n Thermal Overload (Range as per Hp)<br>n Remote Sensing Dryrun (Site Settable 75-95%) |
| Starter       | : | n | L&T Type Wide Band AC Coil Contactor (16/25 Amp.)   |
| Timers        | : | n | Power ON Timer on Power Failure & SPP Faults  |
| Options       | : | n | KSI 33 Mini Compact Panel without 3 Pole MCB  |

## AUTOSWITCH Single Phasing Preventor for DOL & Star Delta Pumps

This is Basic Automation and Pump Safety in Agriculture Fields.

|             |   |   |   |
|-------------|---|---|---|
| Protections | : | n | Phase Failure (Supply Side)<br>n Reverse Phase (Supply Side)<br>n Voltage Unbalance                   |
| Timers      | : | n | Power ON Timer on Power Failure & SPP Faults<br>n Star Delta Timer (for Star Delta Pumps)             |
| Switches    | : | n | Auto / Manual      LED Indications :    n    4 Nos.   |
| Options     | : | n | Autoswitch DOL with 1/3/5 min Delay (For DOL Pump)<br>n Autoswitch SEMI with inbuilt Star Delta Timer |



Model: Autoswitch

CONNECTION DIAGRAM

| INPUT 415 VOLT |   |   | NO VOLT COIL |   | ACROSS ON BUTTON |    |
|----------------|---|---|--------------|---|------------------|----|
| R              | Y | B | N            | V | S1               | S2 |



Model: PR 20

CONNECTION DIAGRAM

| INPUT 415 VOLT |   |   | PHASE | NO VOLT COIL |   | ACROSS ON BUTTON |    |
|----------------|---|---|-------|--------------|---|------------------|----|
| R              | Y | B | R     | N            | V | S1               | S2 |

AUTOSWITCH + All Below Features = PR 20

|               |   |   |  |
|---------------|---|---|--|
| Current Range | : | n | PR 20 DOL (2-14 Amp./ 8-20 Amp.) For DOL Pumps<br>n PR 20 SEMI (2-14 Amp./ 8-20 Amp.) For Star Delta Pumps |
| Protections   | : | n | Remote Sensing Dryrun (Fixed at 75% of Full Load Current)  |

## KDM SD Three Phase Digital Star Delta Starter

- Current Range : n 2-32 / 2-44 / 2-63 / 2-80 / 2-100 / 2-130 Amp.
- Display : n Digital Voltmeter 200-500V  
n Digital Ammeter (as per Current Range)
- Protections : n Phase Failure (Supply Side & Motor Side)  
n Reverse Phase (Supply Side)  
n Voltage and Current Unbalance  
n Electronic Overload (Site Settable 20-50%)  
n Remote Sensing Dryrun (Site Settable 60-95% - Bypass)  
n High Voltage (Site Settable 450-500V)  
n Low Voltage (Site Settable 200-280V)
- Timers : n Power ON Timer on Power Failure and SPP Faults  
n Star Delta Timer (Site Settable 3-60 sec.)  
n Motor OFF Timer (OFF-5-720 min)
- Starter : n Heavy Duty AC Coil Contactors Working at Low Voltage
- Options : n KDM SD WLC - with Inbuilt Starter and Automatic Two Tank Water Level Controller  
n M4 SD - with GSM Mobile Starter  
n M4 SD WLC - with Mobile Starter & Water Level Controller



Model: KDM SD in IP54 MS Enclosure  
(Water Proof, Shock Proof & Dust Proof)

CONNECTION DIAGRAM

| INPUT |   |   | OUTPUT |   |   |       |
|-------|---|---|--------|---|---|-------|
| R     | Y | B | R      | Y | B | B R Y |

## GSM DRYRUN Three Phase GSM Mobile Starter for DOL / Star Delta Pumps



Model: GSM Dryrun

CONNECTION DIAGRAM

| INPUT 415 VOLT |   |   | NO VOLT COIL |   | ACROSS ON BUTTON |    |
|----------------|---|---|--------------|---|------------------|----|
| R              | Y | B | N            | V | S1               | S2 |

- Current Range : n 2-60 Amp.
- GSM Features : n Start / Stop / Monitor / Set your Pump from any location  
n Device Speaks On Phone Call in Local Language  
n Missed Call based ON/OFF Facility  
n Call Back Facility for Fault & Power Return  
n Get Verbal Voltage & Current information on Phone Call  
n Online Parameter Settings by SMS  
n Select Auto / Manual Mode on Phone Call  
n Add Four Authorized Users  
n Site Settable Four Digit Password with SIM Tracking  
n SMS Based Android Application & Realtime Reports
- Protections : n Phase Failure / Reverse Phase (Supply Side)  
n Voltage Unbalance  
n Remote Sensing Dryrun (Site Settable by SMS)
- Timers : n Power ON Timer for Autostart (Site Settable)  
n Star Delta Timer (Site Settable)  
n Dryrun Autostart Timer (Site Settable OFF-5-720 mins.)

## M4 GSM Three Phase GSM Mobile Starter for DOL /Star Delta Pumps

Current Range : n 3-99 Amp.

GSM Features : n Start / Stop / Monitor / Set your Pump from any location  
 n Device Speaks On Phone Call in Local Language  
 n Missed Call based ON/OFF Facility  
 n Call Back Facility for Fault & Power Return  
 n Get Verbal Voltage & Current information on Phone Call  
 n Online Parameter Settings by SMS  
 n Select Auto / Manual Mode on Phone Call  
 n Add Four Authorized Users  
 n Site Settable Four Digit Password with SIM Tracking  
 n SMS Based Android Application & Realtime Reports

Protections : n Phase Failure (Supply Side & Motor Side)  
 n Reverse Phase (Supply Side)  
 n Voltage and Current Unbalance  
 n Electronic Overload (Site Settable 20-50%)  
 n Remote Sensing Dryrun (Site Settable 60-95% - Bypass)  
 n High Voltage (Site Settable 450-500V)  
 n Low Voltage (Site Settable 200-280V)

Timers : n Power ON Timer for Autostart (Site Settable)  
 n Star Delta Timer (Site Settable)  
 n Motor OFF Timer (Site Settable OFF-5-720 mins.)  
 n Dryrun Autostart Timer (Site Settable OFF-5-720 mins.)  
 n Repeat Run Timer  
 n Clock based 4 ON & 4 OFF Timers (MTC)  
 n Time Compensation Enable/ Disable Facility



Model: M4 GSM

CONNECTION DIAGRAM

| INPUT 415 VOLT |   |   | NO VOLT COIL |   | ACROSS ON BUTTON |    |
|----------------|---|---|--------------|---|------------------|----|
| R              | Y | B | N            | V | S1               | S2 |

Display : n Digital Voltmeter 180-520V  
 n Digital Ammeter 3-99 Amp.

Options : n M4 GSM Battery (3-99 Amp.) - Unit will Inform when Power Fails and Accepts SMS from Customer during Power Failure.  
 n M4 GSM WLC - With Inbuilt Universal Two Tank Fully Automatic Water Level Controller

## GSM Based Wireless Two Tank Water Level Controller Master and Tank Set

Master Unit = All Above Features of M4 GSM

Features : n Master Unit is Connected to the Pump  
 n Tank Unit is Connected near the Tank along with one Float Switch  
 n These two via SIM Cards Communicate within themselves to keep the Tank Filled all the Time  
 n All Control Actions are Password Protected, only Authorized Users can Operate Manually via SMS / Dial to Master Unit to Override the System  
 n The System Saves Time, Energy and Water Leading to Energy Conservation and Water Management



Model: Wireless Master & Tank Set

## ABOUT US

Khyatee, a registered SSI started in 1995 at Pune, has carved a niche for itself in areas of Pump Control Panels, Starters, Mobile Starters, RO Panels, Water ATMs, Web Data Loggers etc.

For years, we have been renowned for Quality, Reliability and Pioneering Innovations. We have unparalleled expertise in the areas of backward integration into products and critical components to control price and quality.

The success and popularity of team Khyatee lies in the efforts put in for every minute detail which culminate into flawless product which are unique, innovative and easy to use. The team is committed to understand and meet the needs of the Customers. Creating dynamically comprehensive and technologically advanced products for the use of 'Common Man' and thus making their life safer and easier has been distinctive feature of this growing organization.

Having a certification for international quality standards ISO 9001-2015 came as a natural extension to the innovative products already gaining appreciation and customer's trust.

*Winner of DST - LOCKHEED MARTIN INDIA  
INNOVATION GROWTH AWARD 2013*



Mission  
Motor Safety through  
Quality, Reliability and  
Innovation



Vision  
To Be a Global Player in  
Digital Motor Starters  
& Solutions

### KHYATEE PRODUCT RANGE

- n Single / Three Phase Digital Pump Control Panels & Starters
- n Single / Three Phase Water Level Controlles / Timers
- n GSM Mobile Starters / Wireless Mobile Starters / Energy Monitoring / Web Data Loggers etc.
- n Multi Pump / VFD / Hydro-Pneumatic Automation Panels
- n Automatic RO Control Panels / GSM
- n Water ATMs: Smart Card, Multi Coin, E-Rikshow, Railway Sets etc.
- n Domestic Home Care Series

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