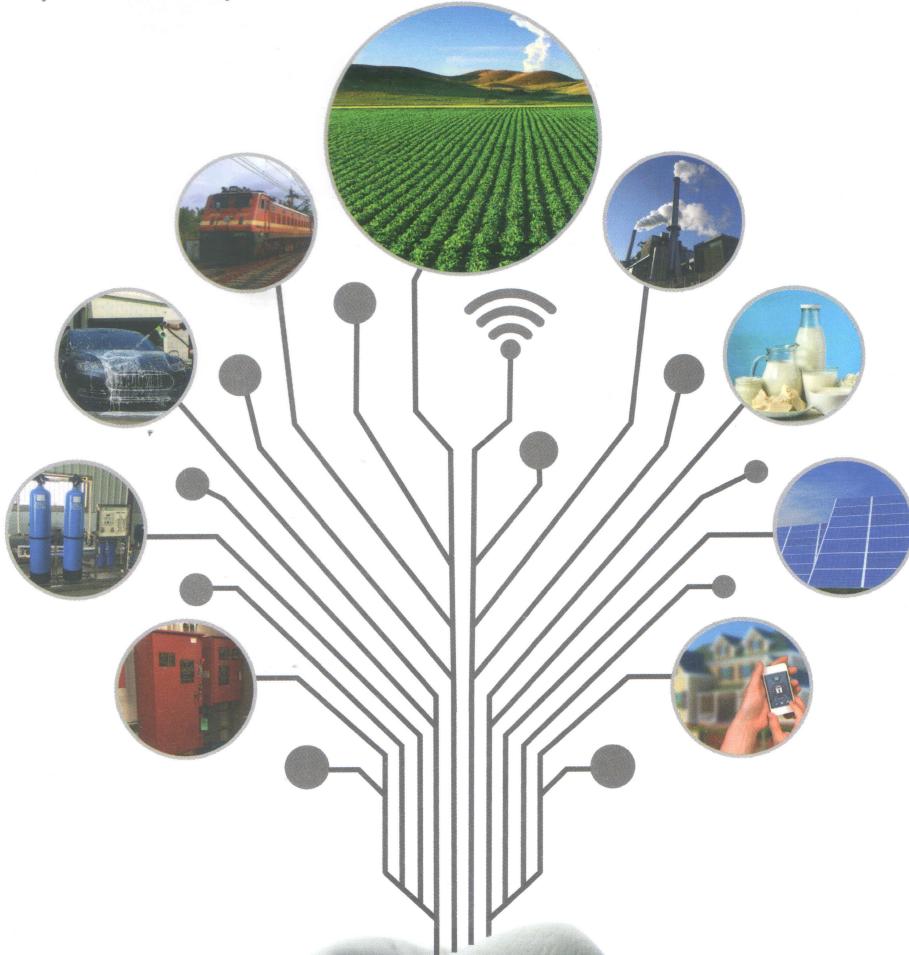


AGRICULTURAL DIVISION

Every Drop for the Crop



INNOVATING
POWER OF
CONTROL

DOELIN®
Exceeding Expectations



1 Ø Starter Panel Semi & Fully Automatic

- Microcontroller based state of the art fully featured design.
- Sturdy powder-coated metal cabinet
- Digital display with user friendly keys
- True RMS voltage and current measurement
- LED indication of each fault
- Auto pump protection setting
- Inbuilt water level Controller (Optional)
- RTC based week timer control panel available (Optional)
- Operating voltage range 150Vac-290Vac at 50Hz
- Current range 0.5A-21A

Prevention Against

- Overload
- Dry Run
- Extreme high current
- High voltage
- Low voltage
- Capacitor cut-off

Adjustable

- Overload current and trip time
- Dry Run current and trip time
- High voltage and low voltage
- Dry Run Auto Start Timer
- Pump ON timer

Cyclic Timer Mode (Optional)

- ON time
- OFF time

Variants :

Submersible, Openwell, Monoblock, Self-Priming.

3Ø Starter Panel Fully Automatic

- Microcontroller based state of the art fully featured design
- Sturdy powder-coated metal cabinet
- Digital display with user friendly keys
- True RMS voltage and current measurement
- LED indication of each fault
- Auto pump protection setting
- Inbuilt water level Controller (Optional)
- RTC based week timer control panel available (Optional)
- Operating voltage range 250Vac-480Vac at 50Hz
- Current range 0.5A-21A

Prevention Against

- Overload
- Dry Run
- Extreme high current
- High voltage
- Low voltage
- Phase Failure from input side (input SPP)
- Phase Failure from output side (output SPP)
- Phase Reversal
- Voltage unbalance up to 80V
- Current unbalance

Adjustable

- Overload current and trip time
- Dry Run current and trip time
- Current unbalance
- High voltage and low voltage
- Dry Run Auto Start Timer
- Pump ON timer

Cyclic Timer Mode (Optional)

- ON time
- OFF time





1 Ø & 3 Ø Mobile Pump Guard

- Microcontroller based state of the art fully featured design.
- Sturdy powder-coated metal cabinet
- Digital display with user friendly keys
- True RMS voltage and current measurement
- LED indication of each fault
- Auto pump protection setting
- Inbuilt water level Controller (OPTIONAL)
- Operating voltage range 150 to 270 Vac at 50Hz-1 Ø
- Operating voltage range 300 to 470 Vac at 50Hz-3 Ø
- Current range 0.5A-21A
- Motor ON/OFF through IVRS, Missed call and SMS
- IVRS in three languages / Hindi, Marathi and English.
- Real time voltage and current information through IVRS
- All settings change through SMS
- Auto-manual setting through SMS and IVRS
- Unique fault feedback call facility
- ALL protection ON/OFF through SMS
- Battery backup for mains failure (OPTIONAL)

Prevention Against

- | | |
|---|--|
| <ul style="list-style-type: none"> • Overload • Dry Run • Extreme high current | <ul style="list-style-type: none"> • High voltage • Low voltage • Capacitor cut-off |
|---|--|

Additional Preventions for 3 Ø

- Voltage & current unbalance
- Phase failure form I/P or O/P side
- Phase reversal

Adjustable

- Overload current and trip time
- Dry Run current and trip time
- High voltage and low voltage
- Dry Run Auto Start Timer
- Pump ON timer
- Four RTC timers

3 Ø Star-Delta Panel Fully Automatic

- Microcontroller based state of the art fully featured design.
- Sturdy powder-coated metal cabinet
- Digital display with user friendly keys
- True RMS voltage and current measurement
- LED indication of each fault
- Auto pump protection setting
- Inbuilt water level Controller (Optional)
- Operating voltage range 250Vac-480Vac at 50Hz
- Current range as per requirement

Prevention Against

- Overload
- Dry Run
- Extreme high current
- High voltage
- Low voltage
- Phase Failure from input side (input SPP)
- Phase Failure from output side (output SPP)
- Voltage unbalance up to 80V
- Current unbalance

Adjustable

- Overload current and trip time
- Dry Run current and trip time
- Current unbalance
- High voltage and low voltage
- Dry Run Auto Start Timer
- Pump ON timer
- Star-delta time





Digital Auto Switch DOL / Star Delta

- 16-Bit Microcontroller based Design for Accurate control
- Operating voltage range 200Vac-470Vac at 50Hz
- Trip Time Delay- 5 sec to 10 sec

Prevention Against

- Phase Failure from input side (input SPP)
- Phase Failure from output side (output SPP)
- Phase Reversal
- Phase unbalance (Normally 80V)
- Overload Protection
- Dry Run Protection
- Current Unbalance

Features :

- True RMS voltage and current measurement
- Unique Emergency Overload Protection Facility
- Built-in ON delay & star delta timer
- Selectable Auto and Manual Mode
- Adjustable Dry Run Auto start Timer
- Adjustable Dry Run Percentage
- Fault Auto Reset Switch
- Auto Reset Facility for I/P SPP & HV Fault
- Two Relay Output for Fully automatic starter
- Output contact suitable for any HP/KW rating pumps

Variants :

DOL, Star Delta, Dry Run Overload DOL & S/D, 0-15 Min ON timer

Timer

- Microcontroller based state of the art fully featured design.
- RTC based working with battery backup
- Digital display with user friendly keys
- User settable ON & OFF
- 4 Timers in a Day
- 5 A Potential free relay output
- Easy to install



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