

Innovative
Secure
User Friendly



3PHASE DOL DRY RUN PANEL

DIGITAL

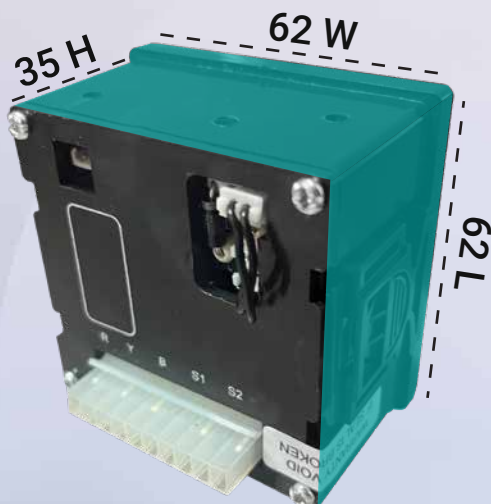


Technical Specifications

Suitable For All 3phase Pumps (1HP To 7.5HP)

- **Design:** DOL Starters
- **Power Range:** 0.75 to 7.5 kW
- **Operating Voltage:** 250 - 450V, 3 Phase
- **Frequency:** 50Hz & 60Hz
- **Coil Voltage:** 250 - 450V
- **Voltage Sensing:** Isolated linear sensing
- **Current Sensing:** Current transformer
- **Max. Current Rating:** 100Amps
- **Enclosure Dimension(WxLxH)mm:** 250x225x100
- **Enclosure Colour:** White with green color panel
- **Enclosure material:** CR sheet metal for durability and protection
- **Panel Weight:** 3.5 Kg
- **Usage of application:** Domestic, Agriculture & Industrial

Controller



Dimension Back



Dimension Front

Weight: 118 gram

Enclosure material: ABS Plastic- Black

Features

01

Integrated three phase motor / controller

Single phase prevention
(phase failure)

02

03

Phase reverse (or)
Sequence protection

Inbuilt overload &
Dry run protection

04

05

Low voltage/ High voltage/
Different voltage cut-off

Operating type Auto& manual/
Semi-automatic options

06

07

Float (on/off) water level
control

Timer Options: ON timer/
Dry run timer/ Cyclic timer

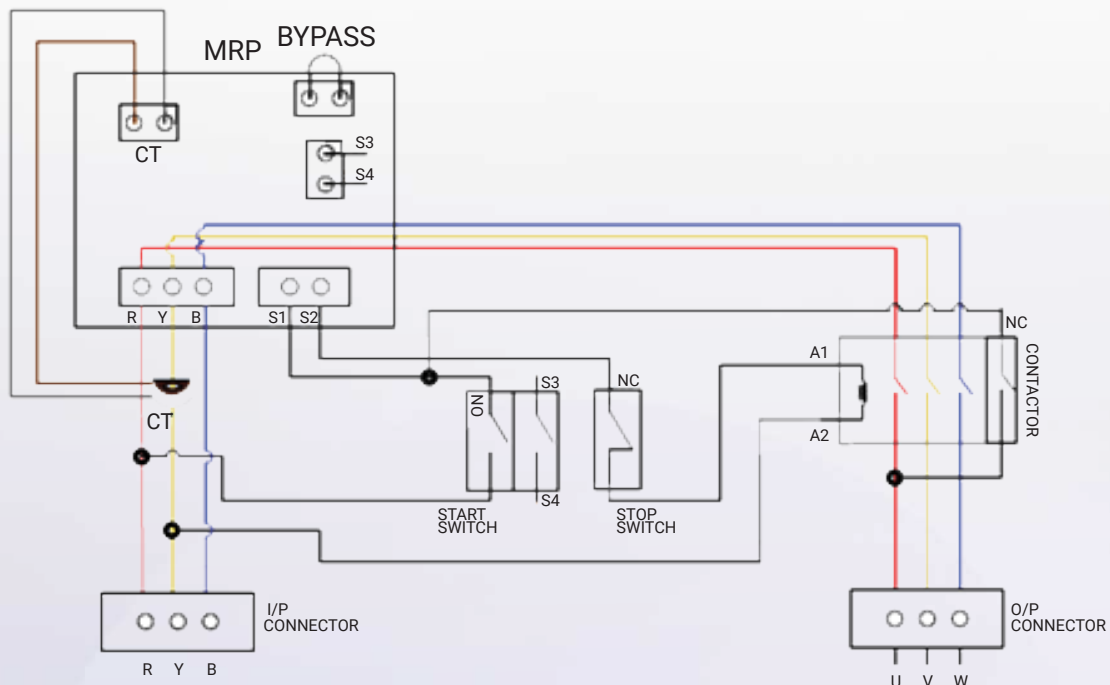
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Protection

- Lightning protector for safeguard from the Short Circuit
- Phase Failure
- Phase reversal / Sequence protection
- Dry load/ Over Load
- High Voltage
- Low Voltage

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MENU [LIMIT SETTINGS & COMMAND]

S.NO	FUNCTION	(DISPLAY-1) COMMENT	(DISPLAY-2) LIMIT	DISPLAY (FAULT)
1	DRY LOAD	Dry	(00.0-99.9)A	Fdr (F-fault)
2	OVER LOAD	OUL	(00.0-99.9)A	FoL (F-fault)
3	LOW VOLTAGE	LUL	(230-350)V	FLU (F-fault)
4	HIGH VOLTAGE	HUL	(450-550)V	FHU (F-fault)
5	ONE TIME CYCLE	ont	(000-999)M	oFF
6	AUTO TIME	AUT	(01-99)M	AUT -01
7	DRY RUN TIMER	drt	(000-999)M	oFF
8	CYCLIC ON TIME	Con	(000-999)M	oFF
9	CYCLIC ON TIME	CoF	(000-999)M	oFF

Usage of Operation

S.NO.	SETTINGS	DISPLAY INDICATION	FUNCTION	FAULT INDICATION
1.	Press Menu Button & Hold on 2 sec	N R C	Motor Running Current (Amps) to Change the Value using by INC +  and DEC -  Button. (Example : Running Amps : 09.7/ Set : 09.7)	-
2.	Again Press Menu Button	O U L	Overload Current Setting (Amps) To Change the Value using By INC+  and Dec -  button	F O L
3.	Again Press Menu Button	D R L	Dryrun Current Setting (Amps) To Change the value using by INC+  and Dec -  Button	F D R
4.	Again Press Menu Button	F L T	Float Function : ON & OFF Option	T A N F U L
5.	Again Press Menu Button	A O N	Auto on Time (Only Visible on Auto Mode)	-
6.	Again Press Menu Button	H U C	High Voltage Setting (Volt) To Change the Value using by INC +  and DEC -  Button	F H U
7.	Again Press Menu Button	L U C	Low Voltage Setting (Volt) To Change the Value using by INC+  and DEC -  Button	F L U
8.	Again Press Menu Button	S E T E S C	Escape to Normal mode the press Dec -  Button Once	-

S.NO.	OPTION SELECTION BUTTON	OPTION	OPTION LED	VALUE	BUTTON
i	To Select the Option using "INC+"  Button	Manual Option	OFF	-	-
ii		Semi Auto Option	RED COLOR	On Time 000-900 sec	Timer Button Press 2 sec
iii		Auto Option	GREEN COLOR	Dry run time 005-900 sec	DRT Button Press 2 sec
iv		Cyclic Timer	BLUE COLOR	ON - 060 Press Timer Button OFF - 060 Press DRT Button	

Note:

i) Connect the input supply "YRB" & Motor Line "YRB". If sequence wrong, display will blinking continuously like "FPR" Then, Change the 1 & 2 line

ii) Current (amps) going to high when the motor Running Reverse Side. Then Change the 1 & 2 motor wire.