



SPARES



Terminal Block

Terminal Block 60 A - 6 way



Terminal Block

Terminal Block 60 A - 3 way



Indicating Lamp Green

Indicating Lamp Green 415 V



Indicating Lamp Red

Indicating Lamp Red 415 V



Volt - Ammeter

Volt-Ammeter 500 V 50 A
Volt-Ammeter 500 V 50 A



SPPR Type Z5

240 V SPPR type Z5
415 V SPPR type Z5
240 V SPPR type Z5
415 V SPPR type Z5

- Features of type Z5
- Protection from Single Phasing
 - Protection from Negative phase Sequence
 - Protection from phase Voltage Unbalance (more than 50 V)
 - Protection from Frequency Fluctuation
 - Auto Restart (with 30 Sec ON delay)
 - Protection from Under Voltage (minimum 180 V)
 - SPPR ON indication
 - Total Bypass Mode

Product improvement is a continuous process. For the latest information and special applications, please contact our office.



HPL DOL & FASD

Three Phase Submersible Pump Controllers



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HPL DOL



HPL FASD



Features And Application Of HPL DOL & HPL FASD Pump Controllers

Range :

- HPL DOL - upto 10 HP
- HPL FASD - upto 20 HP

Features :

- Protection from Single Phasing
- Protection from Overload Conditions
- Protection from Phase Reversal
- Protection from Phase Unbalance 55 V (± 5 V)
- Rugged IC Contactor with moulded coil
- Wide band coil, Operates from -60% to +110% of rated coil voltage (e.g. 415 V coil operates from 249V to 457 V)
- Indication of healthy supply connection

- Auto Restart (with 30 Sec ON delay)
- Power ON & Pump ON indication
- Unique Dual Voltmeter & Ammeter
- Easy replacement of spares
- Terminal block for easy termination

Typical Applications :

- Submersible water pumps
- Open well submersible pumps

Technical Details for HPL DOL Controller

Rating	5HP, 415V 3ph
Contactors	IC-12a
Overload Relay	IT12/3K7.5
Coil Voltage	240V, 415V AC
Pick up voltage	60% to 110% U _c
Drop out voltage	30% to 40% U _c
Operating range	280V~440V, 130V~290V
Measurement offered	Ammeter Voltmeter
Indicating lamp	Supply ON (3ph) Pump ON
Rated Insulation Voltage	690V
Rated Operational Voltage	415V AC
Service Temperature	-5°C to 55°C
Conformity to standard	IS 13947 (Part-4 / Sec. 1)
Terminal capacity	2.5 - 10mm ²
Degree of protection	IP54
No. of full start	30 per Hour
Over all size (mm)	315x250x140

Ordering Details for HPL DOL Controller

Type	Pump Rating at 415 V, 3ph, 50 Hz		With Relay range
	HP	KW	A
HPL DOL	3	2.2	4 - 6.5
	5	3.7	6 - 10
	7.5	5.5	9 - 14
	10	7.5	13 - 21

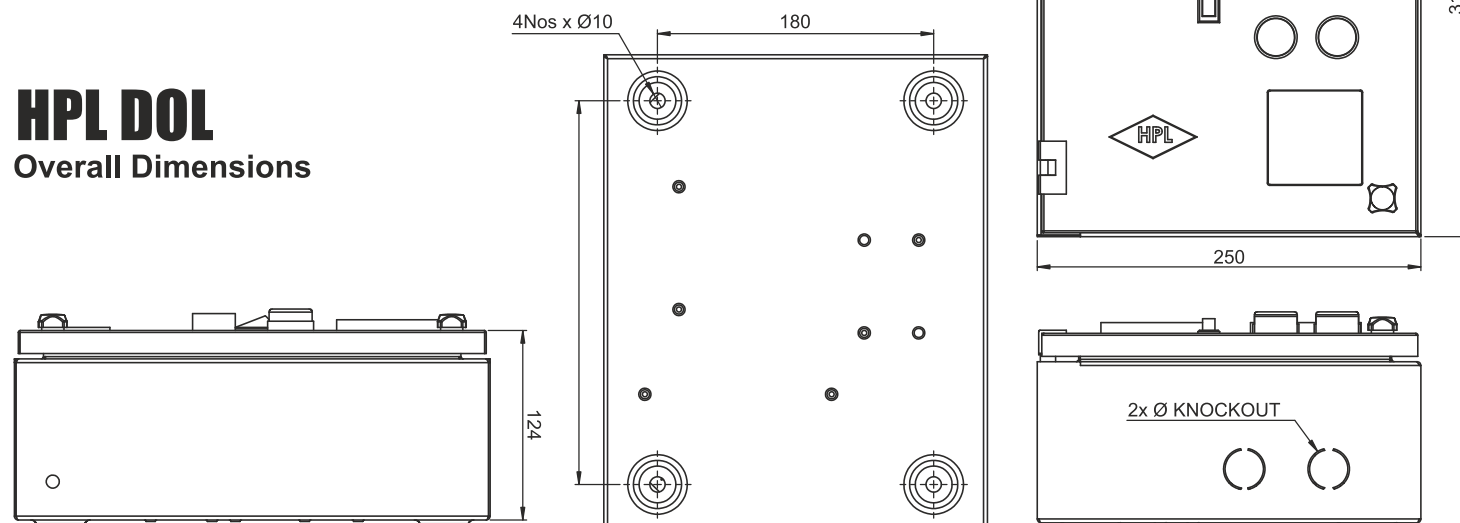
Technical Details for HPL FASD Controller

Rating	20 HP, 415V 3ph
Contactors	IC-32
Overload Relay	IT32/3K
Coil Voltage	240V, 415V AC
Pick up voltage	60% to 110% U _c
Drop out voltage	30% to 40% U _c
Operating range	280V~440V, 130V~290V
Measurement offered	Ammeter Voltmeter (with selector switch)
Indicating lamp	Supply ON (3ph) Pump ON
Rated Insulation Voltage	690V
Rated Operational Voltage	415V AC
Service Temperature	-5 to 55 deg C
Conformity to standard	IS:13947-4-1
Terminal capacity	2 x 4-16mm Sq.
Degree of protection	IP54
No. of full start	30 per hour
Over all size (mm)	385x345x140

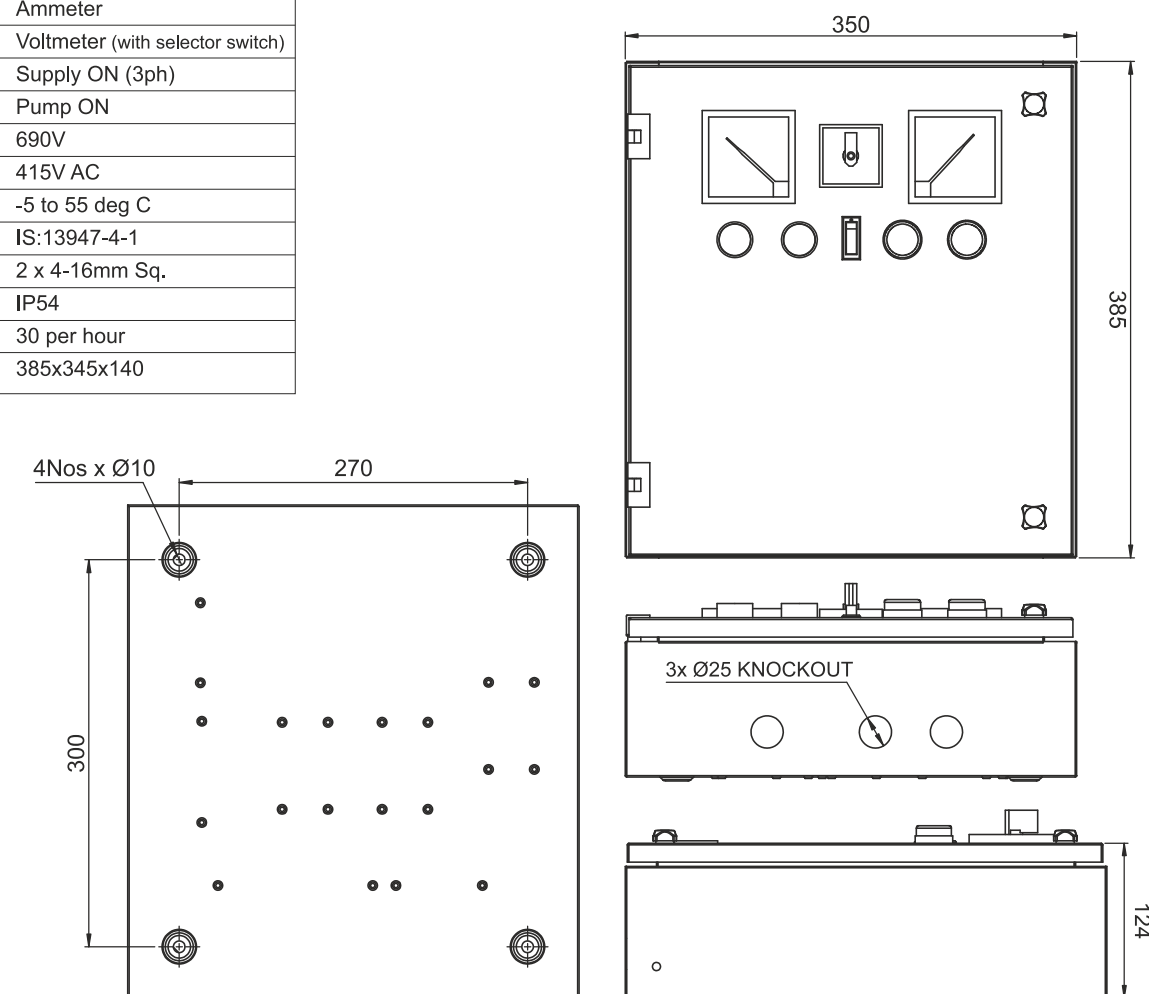
Ordering Details for HPL FASD Controller

Type	Pump Rating at 415 V, 3ph, 50 Hz		With Relay range
	HP	KW	A
HPL FASD	15	11	9 - 14
	20	15	13 - 21

HPL DOL Overall Dimensions



HPL FASD Overall Dimensions



Note: All Dimensions are in mm