



JSL INDUSTRIES LTD.

Three Phase Star-Delta Submersible Pump
Controller with Air Break Contactor
Type : C3DASS



For Reliable Operation



ISO 9001 : 2015

Now
with
RUST PROOF
Enclosure

3 PHASE STAR-DELTA AIR BREAK SUBMERSIBLE PUMP CONTROLLER

JSL' three phase STAR-DELTA Air Break submersible pump controller type : C3DASS are specially designed and developed for starting three phase submersible pumps, available from 5 HP upto 35 HP ratings. This controller comprises of three nos. Contactors, Thermal over load relay, change-over timer, Ammeter, Voltmeter, indicating lights and other electrical components.

The controllers are available with voltmeter selector switch and Single phasing preventor with high and low voltage protection with Auto switch to select the operation mode.

The thermal overload relay is provided in phase circuit, it is to be set near 0.58 times full load current. The other technical details are given in table-1.

STANDARD FEATURES :

- Air Break contactors for reliable operation against wide voltage variation.
- Thermal over load relay with inbuilt single phasing protection.
- Pump ON indication
- Ammeter and Voltmeter to check current and voltage
- Wide range of relay selection

C3DASS : From 5 HP to 35 HP

- Power coated enclosures for better corrosion resistance
- Enclosures with IP53 protection grade.
- Special designed hinges allow 180° door opening
- Bakelite knobs provided
- Easy termination
- Selection of Voltage indication available

Special Features of SPP with Auto Switch :

- Negative sequence voltage sensing SPP provided
- Automatically starts the motor in Auto mode
- Protects motor from running in two phases
- Total safety against single phasing
- Protection against phase reversal
- Protection against High & Low voltage
- Protection against Unbalance voltage
- Starting time delay of approx 30 seconds

TABLE-1 : SELECTION TABLE OF TYPE : C3DASS CONTROLLER

TYPE	RATING, KW/HP	FULL LOAD CURRENT AMP	RELAY RANGE, AMP
C3DASS - 7.5	2.2 / 3	5	2.0 - 3.2
C3DASS - 7.5	3.7 / 5	7.5	4 - 6.3
C3DASS - 7.5	5.5 / 7.5	11	6.3 - 10
C3DASS - 10	7.5 / 10	14	6.3 - 10
C3DASS - 15	11 / 15	21	10.0 - 16.0
C3DASS - 20	15 / 20	28	12.5 - 20.0
C3DASS - 25	18.5 / 25	34	16.0 - 25.0
C3DASS - 30	22 / 30	39	20.0 - 32.0
C3DASS - 35	26 / 36	48	25.0 - 36.0



**FOR FURTHER ENQUIRIES
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In Keeping with the technological strides the world is making in the engineering field, we introduce changes in the design of our products. Hence, the products as actually supplied might have features varying herefrom.