



JSL INDUSTRIES LTD.

Three Phase STAR-DELTA Submersible
Pump Controller with Oil Immersed Contactor
Type : U3DNSS



For Long Life and Reliable Operation



ISO 9001 : 2015



THREE PHASE STAR-DELTA OIL IMMERSIBLE SUBMERSIBLE PUMP CONTROLLER

U3DNSS : From 5 HP to 50 HP

'JSL' Oil Immersed contactor starters enjoy wide market acceptance and continue to grow in demand because of following advantages :

- Provide life time assurance
- Ensures fail safe working in corrosive, dusty, shaggy, moist and powdery atmosphere.
- Use of oil as interrupting medium results in cool operation.
- Continuous lubrication results in less wear.

JSL three phase STAR-DELTA oil immersed submersible pump controller type : U3DNSS are specially designed and developed for starting three phase submersible pumps, available from 5 HP upto 50 HP ratings. This controller comprises of three nos. Oil Immersed contactors, Thermal overload relay, Thermal changeover timer, Ammeter, Voltmeter, Indicating lights and other electrical components.

As 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.

The premier version 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.

STANDARD FEATURES :

- Field proven contactors for reliable operation and long life.
- Pump ON indication.
- Ammeter and Voltmeter to check current and voltage
- Wide range of relay selection
- Powder coated enclosures for better corrosion resistance
- Enclosures with IP53 protection grade.
- Special designed hinges allow 180° door opening
- Bakelite knobs provided
- Easy termination

FEATURES OF PREMIER VERSION CONTROLLER :

- Selection of Voltage indication available : Vry - off - Vyb
- Negative sequence voltage sensing SPP provided.
- Automatically starts the motor in Auto mode
- Protects motor from running on 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

OIL REQUIREMENTS : 3 liters

TABLE 1 : Technical details of Type : U3DNSS controller

TYPE		RATING, KW/HP	FULL LOAD CURRENT, AMP	RELAY RANGE, AMP	RECOMMENDED BACK-UP HRC FUSE RATING, AMP
U3DNSS-10 (ECO)	U3DNSS-10 (PREM)	3.7 / 5	7.5	3.6 - 6	16
U3DNSS-10 (ECO)	U3DNSS-10 (PREM)	5.5 / 7.5	11	6 - 10	20
U3DNSS-10 (ECO)	U3DNSS-10 (PREM)	7.5 / 10	14	6 - 10	20
U3DNSS-15 (ECO)	U3DNSS-15 (PREM)	11 / 15	21	12 - 20	32
U3DNSS-20 (ECO)	U3DNSS-20 (PREM)	15 / 20	28	12 - 20	32
U3DNSS-25 (ECO)	U3DNSS-25 (PREM)	18.5 / 25	34	15 - 25	50
U3DNSS-30 (ECO)	U3DNSS-30 (PREM)	22 / 30	39	18 - 30	63
U3DNSS-35 (ECO)	U3DNSS-35 (PREM)	26 / 35	48	24 - 40	63
U3DNSS-40 (ECO)	U3DNSS-40 (PREM)	30 / 40	55	30 - 46	63
U3DNSS-50 (ECO)	U3DNSS-50 (PREM)	37 / 50	66	36 - 55 / 40 - 60	80



FOR FURTHER ENQUIRIES PLEASE CONTACT

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