



**JSL INDUSTRIES LTD.**

Three Phase DOL Submersible  
Pump Controller with Oil Immersed Contactor  
Type : U3SS



For Long Life and Reliable Operaton



ISO 9001 : 2015



## THREE PHASE DOL OIL IMMERSSED SUBMERSIBLE PUMP CONTROLLER

U3SS : From 1 HP to 20 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 DOL Oil Immersed submersible pump controller type : U3SS are specially designed and developed for starting three phase submersible pumps, available from 1 HP to 20 HP ratings. This controller comprises of an Oil Immersed contactor, Thermal Overload Relay, Ammeter, Voltmeter, Indicating lights and other electrical components.

The premier version controller are available with voltmeter selector switch, Single phasing prevent or with high and low voltage protection and 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 FOR PREMIER VERSION CONTROLLER : Type : U3SS - (PREM)

- 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 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 : Technical details of Type : U3SS controller**

TYPE		RATING, KW/HP	FULL LOAD CURRENT A	RELAY RANGE, A	RECOMMENDED BACK-UP HRC FUSE RATING, A
U3SS - 5 (ECO)	U3SS - 5 (PREM)	0.75 / 1	2	1.2 - 2.0	6
U3SS - 5 (ECO)	U3SS - 5 (PREM)	1.5 / 2	3.5	2.4 - 4.0	10
U3SS - 5 (ECO)	U3SS - 5 (PREM)	2.2 / 3	5	3.6 - 6.0	10
U3SS - 5 (ECO)	U3SS - 5 (PREM)	3.7 / 5	7.5	6.0 - 10.0	16
U3SS - 10 (ECO)	U3SS - 10 (PREM)	5.5 / 7.5	11	9.0 - 15.0	20
U3SS - 10 (ECO)	U3SS - 10 (PREM)	7.5 / 10	14	12.0 - 20.0	25
U3SS - 15 (ECO)	U3SS - 15 (PREM)	11 / 15	21	15.0 - 25.0	35
U3SS - 20 (ECO)	U3SS - 20 (PREM)	15 / 20	28	18.0 - 30.0	50



FOR FURTHER ENQUIRIES  
PLEASE CONTACT

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