

3 PH FORWARD/REVERSE SEMICONDUCTOR MOTOR STATER WITH OVERLOAD /SINGLE PHASE PROTECTION - CURRENT AND VOLTAGE DETECTION MODEL - 905

MODEL 905 3FR OLSP ZDA 48 05 01 WITH "E-75" H.S.



Weight: 430gms SSR + 120gms Heat sink

MODEL 905 3FR OLSP ZDA 48 10 01 WITH "A-100" H.S.



Weight: 450gms SSR + 120gms Heat sink

MODEL 905 3FR OLSP ZDA 48 15 01 WITH "A-100" H.S.



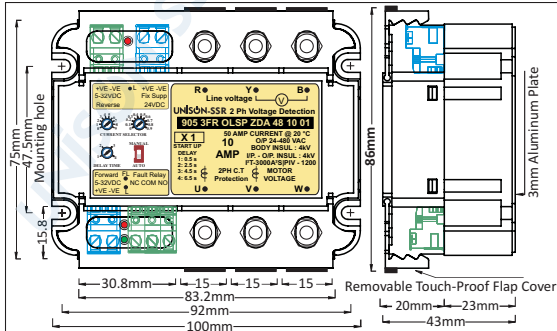
Weight: 450gms SSR + 120gms Heat sink

Model 905 3FR OLSP - 25Amp
Zero Cross Over SSR
Inbuilt Snubber
Plug in Type Forward Input : 5-32VDC, 2-17mA
Plug in Type Reverse Input : 5-32VDC, 2-17mA
Forward Input signal LED Indication : **Green**
Reverse Input signal LED Indication : **Red**
Fix Supply Voltage : 22-26 VDC, 38mA
Interlocking Within : 4.8 μs
If Forward and Reverse Input Simultaneously given then 3PH O/P is 'OFF' within 4.8μs
Output : 24-480VAC (47-63 Hz)
PIV : 1200Vpk
I²T : 880A²S for 9.6mS
Body isolation : 4kV for 1min
I/P. to O/P. isolation : 4kV for 1min
Load Upto 3 HP Motor
With Heat Sink E-75 +Din

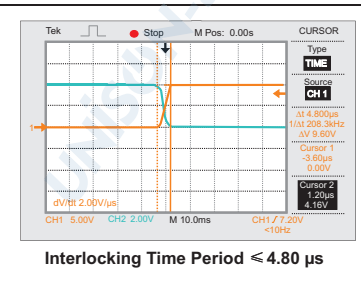
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Forward Input signal LED Indication : **Green**
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Fix Supply Voltage : 22-26 VDC, 38mA
Interlocking Within : 4.8 μs
If Forward and Reverse Input Simultaneously given then 3PH O/P is 'OFF' within 4.8μs
Output : 24-480VAC (47-63 Hz)
PIV : 1200Vpk
I²T : 3000A²S for 9.6mS
Body isolation : 4kV for 1min
I/P. to O/P. isolation : 4kV for 1min
1) Load Upto 3 HP Motor
With Heat Sink E-75 +Din
2) Load Upto 5 HP Motor
With Heat Sink A-100 +Din

Model 905 3FR OLSP - 25Amp
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Inbuilt Snubber
Plug in Type Forward Input : 5-32VDC, 2-17mA
Plug in Type Reverse Input : 5-32VDC, 2-17mA
Forward Input signal LED Indication : **Green**
Reverse Input signal LED Indication : **Red**
Fix Supply Voltage : 22-26 VDC, 38mA
Interlocking Within : 4.8 μs
If Forward and Reverse Input Simultaneously given then 3PH O/P is 'OFF' within 4.8μs
Output : 24-480VAC (47-63 Hz)
PIV : 1200Vpk
I²T : 7200A²S for 9.6mS
Body isolation : 4kV for 1min
I/P. to O/P. isolation : 4kV for 1min
1) Load Upto 3 HP Motor
With Heat Sink E-75 +Din
2) Load Upto 7.5 HP Motor
With Heat Sink A-100 +Din

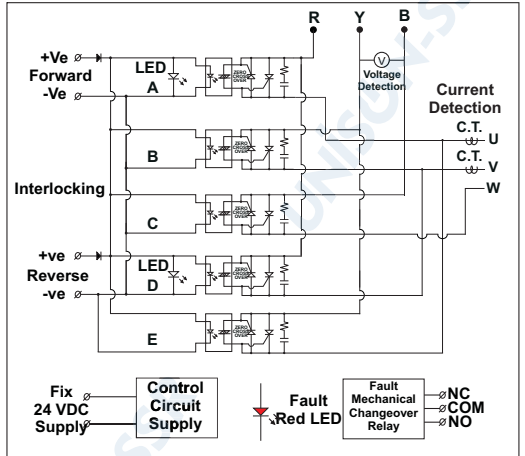
905 3FR OLSP ZDA MODEL DIMENSION



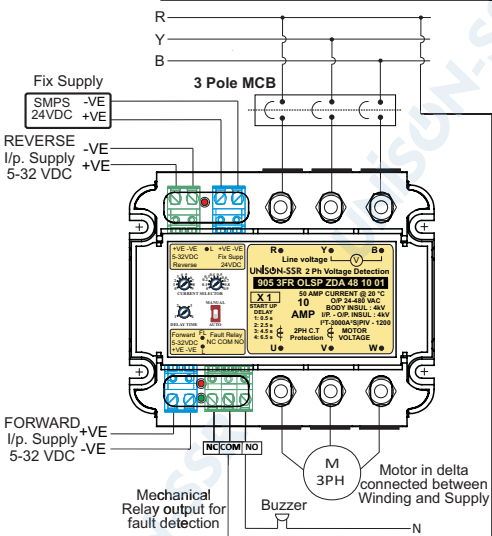
3FR OLSP ZDA Interlocking Waveform



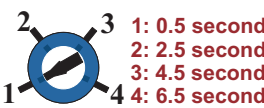
Circuit Diagram- 905 Model 3FR OLSP DC TO AC



3 PH FORWARD/REVERSE SEMICONDUCTOR MOTOR STATER WITH EXTERNAL SHORT CIRCUIT PROTECTION DEVICE CONNECTION DIAGRAM



STARTING DELAY TIME POT

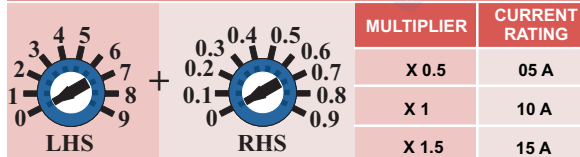


MANUAL/AUTO RESET SWITCH



Manual Reset: Output will be latched for any fault condition and reset after switching OFF/ON 24 VDC fix supply
AUTO Reset: Output will be latched for 18 seconds for any fault condition and reset after every 18 seconds.

OVER CURRENT SELECTOR POT



Ex. LHS (2)+RHS (0.6)=2.6x 0.5 =1.3 Amp (05 Amp Current Rating SSR)

Ex. LHS (7)+RHS (0.1)=7.1x 1 =7.1 Amp (10 Amp Current Rating SSR)

Ex. LHS (9)+RHS (0.9)=9.9x 1.5 =14.85 Amp (15 Amp Current Rating SSR)

Fault condition	SSR Output	Fault red LED indication	Fault Mechanical Relay Change Over
Current Overload	OFF	YES	YES
Single Phasing	OFF	YES	YES
Input Phase Failure	OFF	YES	YES
Phase Unbalance	OFF	YES	YES
Locked Rotor / Shaft	OFF	YES	YES
Earth Fault	OFF	YES	YES

APPLICATIONS:

- > LAMINATION EXTRUSION
- > ACTUATORS
- > CNC MACHINES
- > CRANE MOTOR

SSR SELECTION FOR 3 PHASE MOTOR (INDUCTIVE LOAD)

905 MODEL	HP / kW Rating	05 AMP	10 AMP	15 AMP
	HP Rating	Upto 3	Upto 5	Upto 7.5
	kW Rating	Upto 2.2	Upto 3.7	Upto 5.5