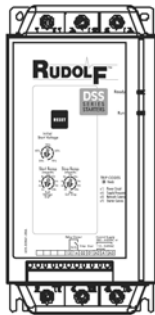
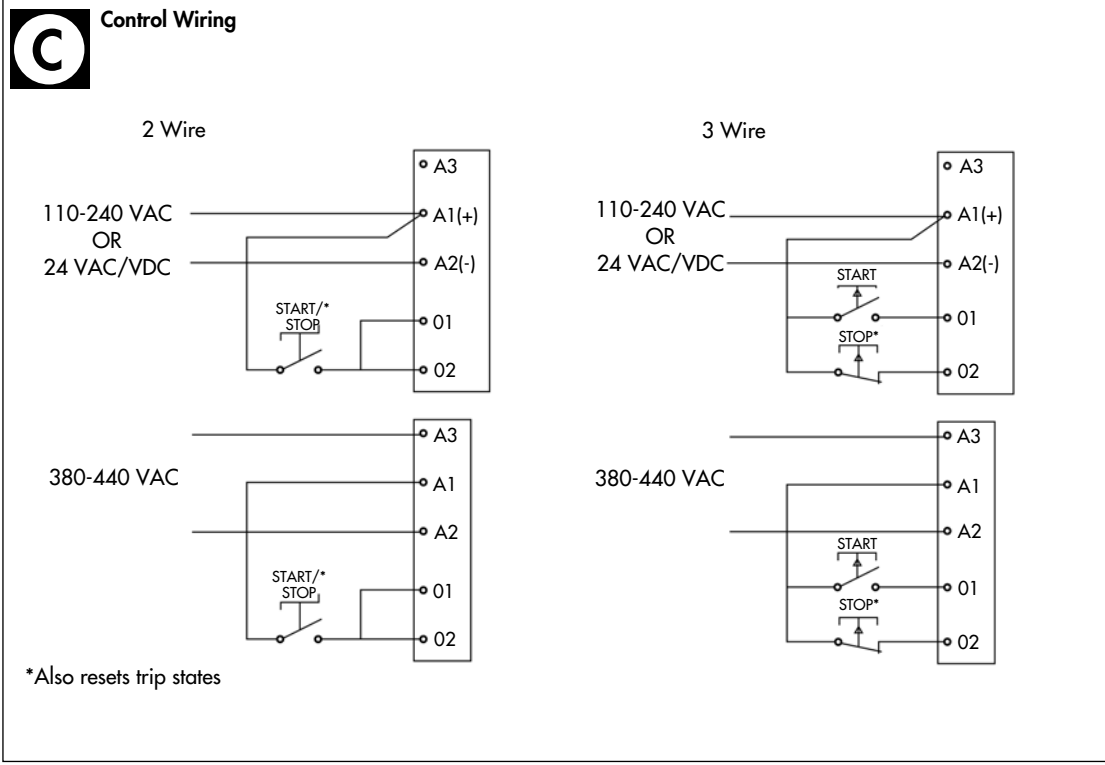
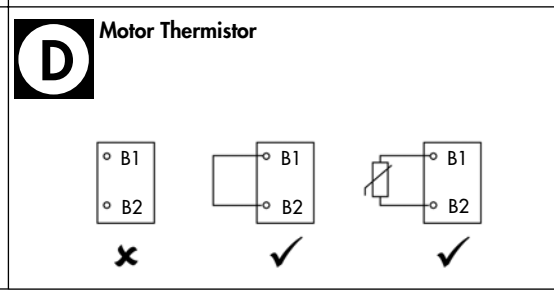
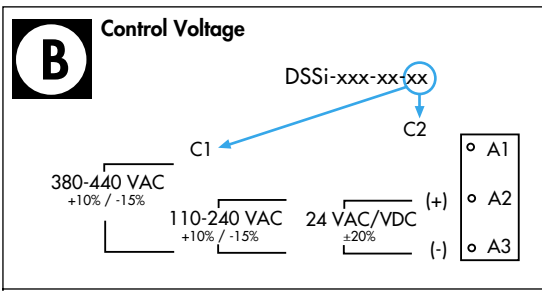
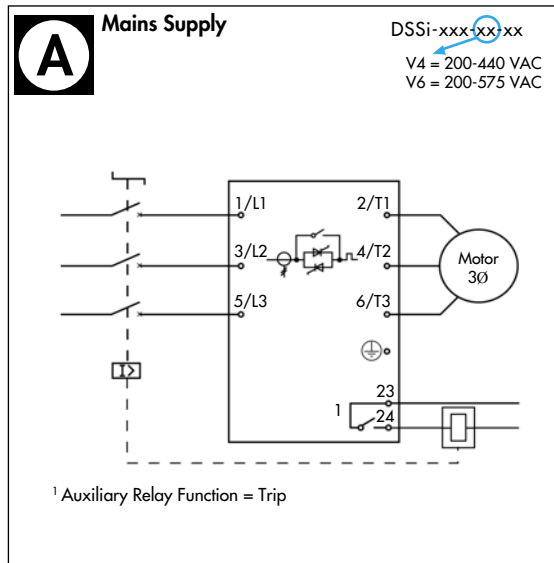
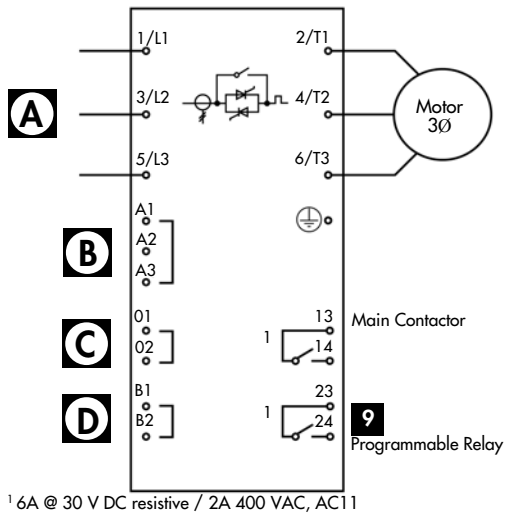


## Indication - DSS/DSSi Series

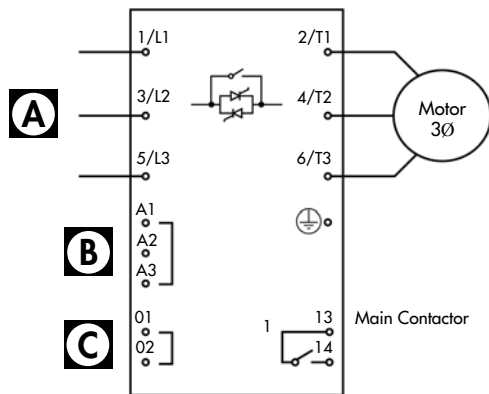


		Ready	Run
○	Off	No control power	Motor not running
●	On	Ready	Motor running at full speed
◐	Flash	Starter tripped	Motor starting or stopping

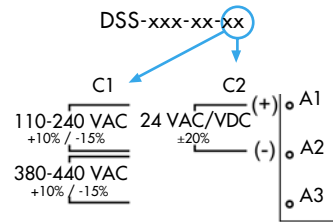
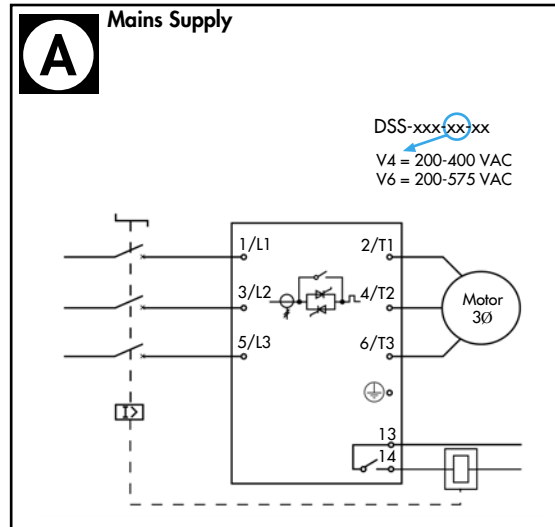
# Schematic - DSSi Series



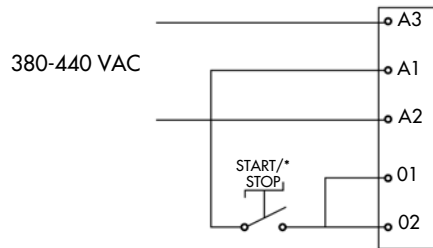
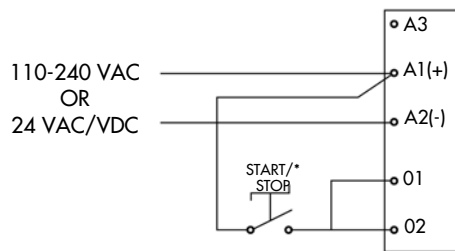
Schematic - DSS Series



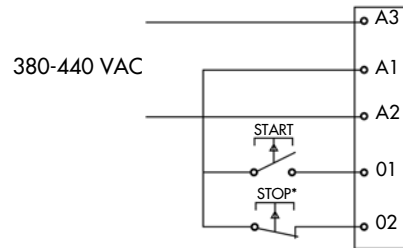
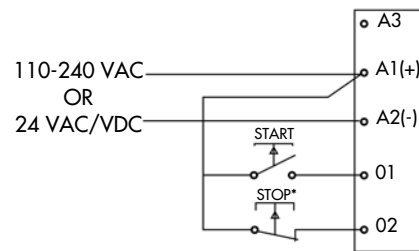
<sup>1</sup> 6A @ 30 V DC resistive / 2A 400 VAC, AC11



2 Wire

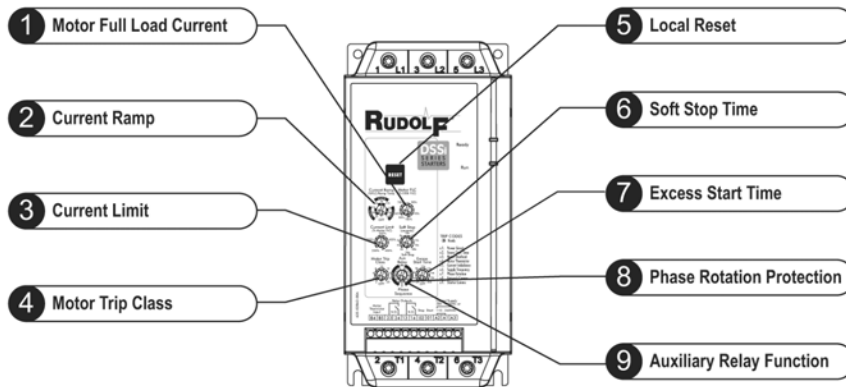


3 Wire



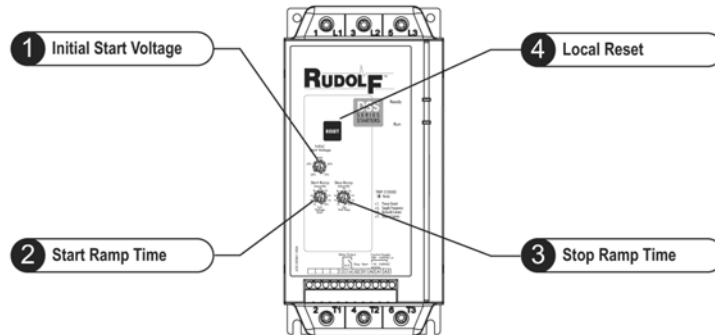
\*Also resets trip states

# Schematic - DSSi Series



<b>1. Motor Full Load Current</b>	$x \% = \frac{\text{Motor FLC}}{\text{DSSi FLC}}$										
<b>2. Current Ramp</b>											
<b>3. Current Limit</b>											
<b>4. Motor Trip Class</b>		<p>OFF = No overload protection</p>									
<b>5. Local Reset Push Button</b>											
<b>6. Soft Stop Time</b>											
<b>7. Excess Start Time</b>											
<b>8. Phase Rotation Protection</b>	<table border="1"> <thead> <tr> <th></th> <th>FWD</th> <th>ANY</th> </tr> </thead> <tbody> <tr> <td> </td> <td>✓</td> <td>✓</td> </tr> <tr> <td> </td> <td>✗</td> <td>✓</td> </tr> </tbody> </table>		FWD	ANY		✓	✓		✗	✓	
	FWD	ANY									
	✓	✓									
	✗	✓									
<b>9. Auxiliary Relay Function</b>	<p>Main Contactor</p> <p>RUN</p> <p>TRIP = Fault</p>										

Schematic - DSS Series



<p>1. Initial Start Voltage</p>		
<p>2. Start Ramp Time</p>		<p>Full Voltage Start</p>
<p>3. Stop Ramp Time</p>		<p>No Soft Stop</p>

Wiring -  
DSSi Series &  
DSS Series

	L1/1, L2/3, L3/5, T1/2, T2/4, T3/6 mm <sup>2</sup> (AWG)			A1, A2, A3, 01, 02, B4 B5, 13, 14, 23, 24 mm <sup>2</sup> (AWG)	
	007 ~ 030	037 ~ 055	075 ~ 110	007 ~ 110	
	10 - 35 (8 - 2)	25 - 70 (4 - 2/0)	N.A.		
	10 - 35 (8 - 2)	25 - 70 (4 - 2/0)	N.A.	0.14 - 1.5 (26 - 16)	0.14 - 1.5 (26 - 16)
	Torx (T20) 3 - 5 Nm. 2.2 - 3.7 ft-lb	Torx (T20) 4 - 6 Nm. 2.9 - 4.4 ft-lb	N.A.	N.A.	
	7 mm 3 - 5 Nm. 2.2 - 3.7 ft-lb	7 mm 4 - 6 Nm. 2.9 - 4.4 ft-lb	N.A.	3.5 mm 0.5 Nm max 4.4 lb-in max	










75°C Wire Use copper conductors only







This product is designed for Class A environments. Use of this product in domestic environments may cause radio interference.

Do not connect power factor correction capacitors between the soft starter and the motor.

## Trouble Shooting - DSSi Series

Ready	Description
 x 1	Power Circuit: Check mains supply L1, L2, L3, motor circuit T1, T3 & T5 and soft starter SCRs.
 x 2	Excess Start Time: Check load, increase Current Limit or adjust Excess Start Time setting.
 x 3	Motor Overload: Allow motor to cool, reset soft starter and restart. Soft starter cannot be reset until motor has cooled adequately.
 x 4	Motor Thermistor: Check motor ventilation and thermistor connection B1 & B2. Allow motor to cool.
 x 5	Phase Imbalance: Check line current L1, L2 & L3.
 x 6	Supply Frequency: Check supply frequency is in range.
 x 7	Phase Sequence: Check for correct phase rotation.
 x 8	Communications Failure; Check serial comms link to DSSi accessory module. Remove and refit accessory module.
 x 9	Starter Comms Failure (between starter and accessory module): Remove and refit accessory module.

## DSS Series

Ready	Description
 x 1	Power Circuit: Check mains supply L1, L2, L3, motor circuit T1, T3 & T5 and soft starter SCRs.
 x 6	Supply Frequency: Check supply frequency is in range.
 x 8	Communications Failure (between soft starter and optional accessory module): Check plug connection.
 x 9	Starter Comms Failure (between starter and accessory module): Remove and refit accessory module.