

EASY STEPS		WIRING OF MOTOR EQUIPPED WITH MECHANICAL SWITCH	EASY WIRING OF MOTOR EQUIPPED WITH SINPAC ELECTRONIC SWITCH	MOTOR LEAD WIRE NUMBERING					
<p><b>Split Phase Motors</b></p> <ol style="list-style-type: none"> <li>1. Disconnect the mechanical switch lead which is connected to the start winding and reconnect this lead to SINPAC Switch terminal three (3).</li> <li>2. Disconnect other mechanical switch lead marked T5 and reconnect this lead to SINPAC Switch terminal two (2).</li> <li>3. Join SINPAC Switch terminal one (1) with motor lead T8.</li> </ol> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><i>Use on only the following model series:</i>                      PV-16, PV-25                      PV-40 &amp; 2PV-16</p> </div>	Single Voltage with Thermal Protection				L1	L2	Join		
	Single Voltage without Thermal Protection			Counterclockwise rotation	P1	T4, T5	T1, T8		
				Clockwise rotation	P1	T4, T8	T1, T5		
				Counterclockwise rotation	T1, T8	T4, T5			
			Clockwise rotation	T1, T5	T4, T8				
<p><b>Capacitor Start Motors</b></p> <ol style="list-style-type: none"> <li>1. Disconnect the mechanical switch lead (CS1) which is connected to the start capacitor and reconnect this lead to SINPAC Switch terminal three (3).</li> <li>2. Disconnect other mechanical switch lead marked T5 and reconnect this lead to SINPAC Switch terminal two (2).</li> <li>3. Join SINPAC Switch terminal one (1) with motor lead T8.</li> <li>4. Join SINPAC Switch terminal four (4) with the lead off the start winding and start capacitor. (Labeled in the connection diagram as CS2.)</li> </ol> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><i>Use on only the following model series:</i>                      CV-16                      CV-25                      CV-40                      CV-50                      VR-16                      VR-40                      VR-50                      CVR-80                      IR-25                      IR-40                      2CV-35                      2CV-50                      2CVR-70</p> </div>	Single Voltage with Thermal Protection				L1	L2	Join		
	Single Voltage without Thermal Protection			Counterclockwise rotation	P1	T4, T5	T1, T8		
				Clockwise rotation	P1	T4, T8	T1, T5		
	Dual Voltage with Thermal Protection			Higher name-plate voltage	Counterclockwise rotation	P1	T4	P2, T8	T2, T3 & T5
				Clockwise rotation	P1	T4	P2, T5	T2, T3 & T8	
	Dual Voltage without Thermal Protection			Lower name-plate voltage	Counterclockwise rotation	P1	T2, T4 & T5	P2, T3 & T8	-
				Clockwise rotation	P1	T2, T4 & T8	P2, T3 & T5	-	
				Higher name-plate voltage	Counterclockwise rotation	T1	T4, T5	T2, T3 & T8	
			Clockwise rotation	T1	T4, T8	T2, T3 & T5			
			Lower name-plate voltage	Counterclockwise rotation	T1, T3 & T8	T2, T4 & T5	-		
			Clockwise rotation	T1, T3 & T5	T2, T4 & T8	-			

**SYMBOL KEY:** M = Main winding, ST = Start winding, CS = Start capacitor, CR = Run capacitor, CS1 = Lead between SINPAC Switch terminal three (3) and start capacitor (CS), CS2 = Lead between SINPAC Switch terminal four (4), start capacitor (CS) and start winding (ST)

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<p><b>Capacitor Start/ Capacitor Run Motors</b></p> <ol style="list-style-type: none"> <li>1. Disconnect the mechanical switch lead (CS1) which is connected to the start capacitor and reconnect this lead to SINPAC Switch terminal three (3).</li> <li>2. Disconnect other mechanical switch lead marked T5 and reconnect this lead to SINPAC Switch terminal two (2).</li> <li>3. Join SINPAC Switch terminal one (1) with motor lead T8.</li> <li>4. Join SINPAC Switch terminal four (4) with the lead off the start winding, start capacitor and run capacitor. (Labeled in the connection diagram as CS2.)</li> <li>5. Make sure the other side of the run capacitor is connected to the motor lead T5 along with SINPAC Switch terminal two (2).</li> </ol> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><i>Use on only the following model series:</i></p> <ul style="list-style-type: none"> <li>VR-16</li> <li>VR-40</li> <li>VR-50</li> <li>CVR-80</li> <li>2VR-35</li> <li>2VR-50</li> <li>2CVR-70</li> </ul> </div>	Single Voltage with Thermal Protection			<table border="1"> <thead> <tr> <th></th> <th>L1</th> <th>L2</th> <th>Join</th> </tr> </thead> <tbody> <tr> <td>Counterclockwise rotation</td> <td>P1</td> <td>T4, T5</td> <td>T1, T8</td> </tr> <tr> <td>Clockwise rotation</td> <td>P1</td> <td>T4, T8</td> <td>T1, T5</td> </tr> </tbody> </table>		L1	L2	Join	Counterclockwise rotation	P1	T4, T5	T1, T8	Clockwise rotation	P1	T4, T8	T1, T5										
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