

Superior Stepper Connection Diagrams

Switching Sequence For Operation From Bipolar Drives

Full-Step (Two-Phase On)
Energizing Sequence*

Full-Step (One-Phase On)
Energizing Sequence*

Step	Phase	
	A	B
1	+1	+1
2	+1	-1
3	-1	-1
4	-1	+1
1	+1	+1

Step	Phase	
	A	B
1	+1	-
2	-	-1
3	-1	-
4	-	+1
1	+1	-

Half-Step Phase Energizing Sequence*

Step	Phase	
	A	B
1	+1	+1
2	+1	-
3	+1	-1
4	-	-1
5	-1	-1
6	-1	-
7	-1	+1
8	-	+1
1	+1	+1

* Rotation is clockwise as viewed from label end of motor.

For counterclockwise rotation, sequence should go from bottom to top of chart.

Switching Sequence For Operation From Unipolar Drives

Four Step Input Sequence (Full-Step Mode)*

Step	SW1	SW2	SW3	SW4
1	ON	OFF	ON	OFF
2	ON	OFF	OFF	ON
3	OFF	ON	OFF	ON
4	OFF	ON	ON	OFF
1	ON	OFF	ON	OFF

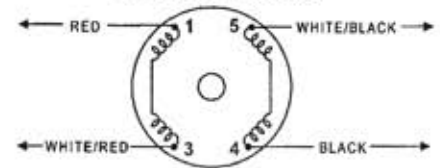
Eight Step Input Sequence (Half-Step Mode)*

Step	SW1	SW2	SW3	SW4
1	ON	OFF	ON	OFF
2	ON	OFF	OFF	OFF
3	ON	OFF	OFF	ON
4	OFF	OFF	OFF	ON
5	OFF	ON	OFF	ON
6	OFF	ON	OFF	OFF
7	OFF	ON	ON	OFF
8	OFF	OFF	ON	OFF
1	ON	OFF	ON	OFF

* Rotation is clockwise as viewed from label end of motor. For counterclockwise rotation, sequence should go from bottom to top of chart.

Connection Diagrams

4 Lead Motors



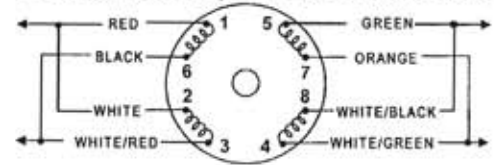
6 Lead Motors



8 Lead Motors, Series Connected



8 Lead Motors, Parallel Connected



NOTE: Numbers identify terminal board connections.