

12 VDC Bipolar/Unipolar Step Motor Actuator

SMA-12 (Item #953276)



INSTRUCTIONS

1. Connect any Sporlan bipolar step motor valve to the SMA-12 by matching wire color to terminal color, see Figure 1. For ESX connections, refer to Figure 2. Any 12 VDC bipolar/unipolar step motor may be tested with the SMA-12. Phase one leads should be connected to the black and white terminals, Phase two should be connected to the red and green terminals.
2. Select a step rate with the selector knob. ESX should use the 1 or 50 step rate, all other valves may use any rate.
3. Push the open/close toggle in the **close** direction to extend the driver or close the valve.
4. Push the open/close toggle in the **open** direction to retract the driver or open the valve.
5. Observe terminal indicator lights. At rates other than **1**, indicator lights will flash quickly. Pushing the **open/close** toggle in either direction at the **1** step rate will alternate the phases energized.
6. Check that the **power** indicator light is lit. If not, replace the batteries.
7. If the terminal indicator lights do not light, one or both motor phases are open and the motor must be replaced.
8. If the motor can be powered smoothly in both directions the motor assembly is functional and the controller must be tested or replaced.

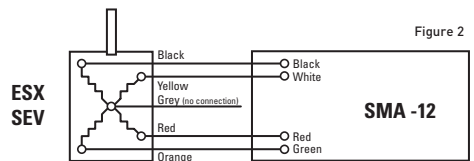
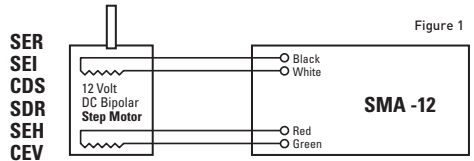
The following sequence of indicator lights will light.

	BLACK	GREEN	RED	WHITE
CLOSE ↓	ON		ON	
	ON	ON		
		ON		ON
			ON	ON
↑ OPEN				

SPECIFICATIONS

- Power input - 2 Alkaline 9 volt batteries
- Power output - 10 Watts intermittent
- Step rate - Selectable - 1, 50, 100, 200 steps per second
- Drive type - Bipolar, Unipolar
- Connector - Binding post with banana plug socket

18" long pigtail connectors are available to allow the SMA-12 to directly connect to Sporlan valves.

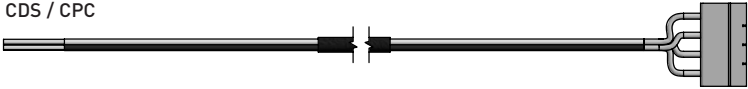


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M12



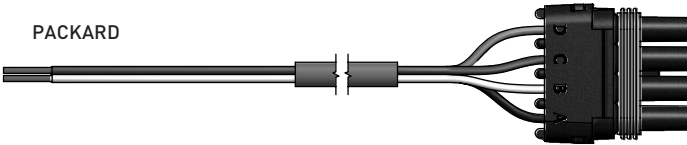
CDS / CPC



CDS / CPC 2.5



PACKARD



ITEM#	DESCRIPTION
805620	M-12 CONNECTOR
952919	CABLE ASSEMBLY - PIGTAIL - CDS/CPC PIGTAIL
953193	CABLE - PIGTAIL CDS/CPC 2.5MM
958112	PACKARD 18 IN

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