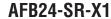






Technical Data Power Supply Power Consumption Running Power Consumption Holding Transformer Sizing Electrical Connection	24 VAC, ±20%, 50/60 Hz, 24 VDC, -10% / +20% 5.5 W 3 W 8.5 VA (class 2 power source)
Power Consumption Running Power Consumption Holding Transformer Sizing Electrical Connection	+20% 5.5 W 3 W 8.5 VA (class 2 power source)
Power Consumption Holding Transformer Sizing Electrical Connection	5.5 W 3 W 8.5 VA (class 2 power source)
Power Consumption Holding Transformer Sizing Electrical Connection	3 W 8.5 VA (class 2 power source)
Transformer Sizing Electrical Connection	8.5 VA (class 2 power source)
Electrical Connection	,
	00.71 3 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	3ft [1m], 18 GA appliance cable with 1/2" conduit connector
Overload Protection	electronic throughout 0° to 95° rotation
Operating Range Y	on/off
Feedback Output U	2 to 10 VDC, 0.5 mA max
Angle of Rotation	95°,
Torque motor	Min. 180 in-lbs [20 Nm]
Direction of Rotation (Motor)	reversible with built-in switch
Direction of Rotation (Fail-Safe)	reversible with CW/CCW mounting
Position Indication	visual indicator, 0° to 95° (0° is full spring
	return position)
	5 mm hex crank (3/16" Allen), supplied
	95 sec
Running Time (Fail-Safe)	<20 sec
Ambient Humidity	max. 95% RH non-condensing
Ambient Temperature Range	-22°F to 122°F [-30°C to 50°C]
Storage Temperature Range	-40°F to 176°F [-40°C to 80°C]
Housing	NEMA 2, IP54, UL Enclosure Type 2
Housing Material	zinc coated metal and plastic casing
Agency Listings†	cULus acc. to UL60730-1A/-2-14, CAN/CSA
	E60730-1:02, CE acc. to 2004/108/EC
	<40 dB (A)
Noise Level (Motor)	CO 4D (A)
Noise Level (Fail-Safe)	<62 dB (A)
, ,	maintenance free
Noise Level (Fail-Safe)	()
Manual Override Running Time (Motor) Running Time (Fail-Safe) Ambient Humidity Ambient Temperature Range Storage Temperature Range Housing Housing Material Agency Listings†	return position) 5 mm hex crank (3/16" Allen), supplied 95 sec <20 sec max. 95% RH non-condensing -22°F to 122°F [-30°C to 50°C] -40°F to 176°F [-40°C to 80°C] NEMA 2, IP54, UL Enclosure Type 2 zinc coated metal and plastic casing cULus acc. to UL60730-1A/-2-14, CAN/CS. E60730-1:02, CE acc. to 2004/108/EC <40 dB (A)

†Rated Impulse Voltage 800V, Type of action 1.AA, Control Pollution Degree 3





Modulating, Spring Return, 24 VAC/DC, for 2 to 10 VDC or 4 to 20 mA Control Signal

Wiring Diagrams



Meets cULus requirements without the need of an electrical ground



Actuators with appliance cables are numbered.



Provide overload protection and disconnect as required.



Actuators may also be powered by 24 VDC.



Only connect common to negative (-) leg of control circuits. A 500 Ω resistor (ZG-R01) converts the 4 to 20 mA control signal to 2



to 10 VDC.

Actuators may be connected in parallel if not mechanically linked. Power consumption and input impedance must be observed.

