

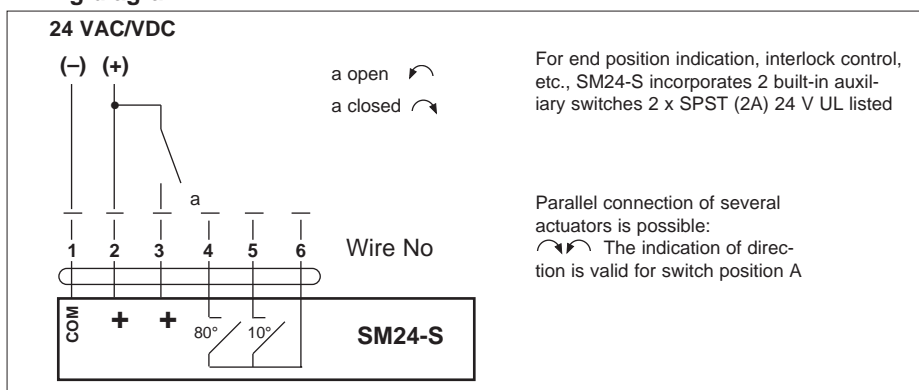
SM24-S US



On-off, non-spring return, direct coupled, fast running, 24 V with built-in auxiliary switches



Wiring diagram



Technical Data	SM24 -S
Power supply	24 VAC ± 20% 50/60 Hz 24 VDC ± 10%
Power consumption AC	Stand-by 1.2 W Full Load 9.5 W
Transformer sizing	12 VA
Electrical connection	3 ft, 18 GA cable 1/2" conduit connector
Angle of rotation	mechanically limited to 95°
Torque at rated voltage	133 in-lb [15 Nm]
Direction of rotation	reversible with switch A / B
Position indication	0 . . . 10 and reversible indicator
Running time	Load Free approx. 16 seconds Full Load approx. 19 seconds
Auxiliary switch Open/Closed	2 SPST 2A, 24 V
Humidity	5 to 95% RH non-condensing
Housing type	NEMA type 2
Housing material rating	UL 94V-0 (flammability rating)
Ambient temperature	-22°F to +122°F [-30°C to +50°C]
Storage temperature	-40°F to +176°F [-40°C to +80°C]
Noise level	45 dB (A)
Servicing	maintenance free
Service life	minimum 10,000 operations
Weight	3.3 lbs. [1.5 kg]

Torque min. 133 in-lb, for control of damper surface up to 35 ft².

Application

For on-off, fast-acting, control of dampers up to approximately 35 ft² [3 m²] (based on 4 in-lb per sq. ft.). Actual actuator sizing should be done in accordance with the damper manufacturer's specifications. Control is on-off, two position, from an auxiliary contactor or a manual switch. The direction of rotation is reversible by the use of a switch located on the actuator cover.

Operation

The actuator is, by means of a special clamp, directly mounted onto the damper shaft.

The universal mounting bracket supplied with the actuator will prevent lateral movement of the actuator. The damper actuator is not provided with and does not require any limiting switches, but is protected against overloading.

The angle of rotation is mechanically limited to 95°. When reaching the damper or actuator end position, the motor stops automatically.

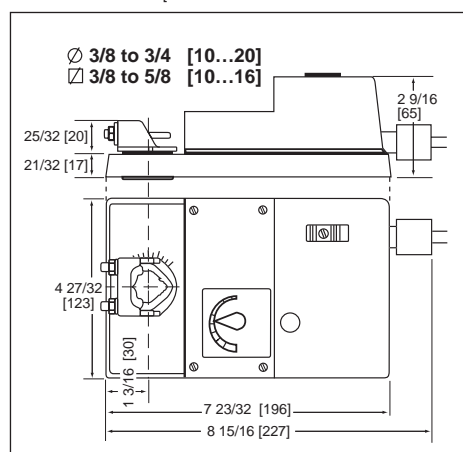
The gears can be manually disengaged by simply pressing down the spring loaded button on the actuator cover. When the button is pressed down, the damper blades can be adjusted by hand. The position of the actuator is indicated by means of a scale reading 0 . . . 10.

For end position indication, interlock control, etc., two built-in, non-adjustable auxiliary switches are provided with the actuator.

Accessories

- ZG-SM2 Crank arm adaptor kit
- ZDB Angle of rotation limiter
- ZG-100 Universal mounting bracket
- ZG-101 Universal mounting bracket
- ZG-102 Multiple actuator mounting bracket
- ZG-H2 Actuator operator handle
- ZS-100 Weather shield, metal
- ZG-150 Weather shield, polycarbonate

Dimensions [All numbers in brackets are in millimeters.]



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