

RUSN4X-SM

NEMA 4X Damper Actuator Weather Shield



APPLICATION

The RUSN4X-SM Weather Shield is a durable weather shield designed to provide a degree of protection for a single Ruskin RUS Series Electric Actuator used in damper applications. The RUSN4X-SM protects the electric actuator from corrosion, rain, freezing rain, sleet, and snow. The weather shield can be mounted indoors or outdoors; however, they may not prevent externally formed ice from restricting the motion of the rotary shaft.

RUSN4X-SM weather shield is constructed of polycarbonate plastic that provides excellent impact resistance. The cover features ultraviolet inhibitors that extend service life by preventing the cover from becoming brittle or damaged by the sun or other environmental elements. The transparent cover provides an unobstructed view of the electric actuator without having to disassemble the enclosure. A form-fitting seal prevents water or moisture from entering the unit and damaging the electric actuator.

IMPORTANT: The RUSN4X-SM Damper Actuator Weather Shield only provides protection for the RUS Series Electric Actuator. To ensure proper operation, check that all associated equipment used in the damper application is suitable for the surrounding environment.



INSTALLATION

The RUSN4X-SM Weather Shield is designed for use with the following Ruskin RUS series electric actuator models shown below;

- ▶ RUS-S120 and RUS-S120-S
- ▶ RUS-S24, RUS-S24-S and RUS-S24-MOD
- ▶ RUS-M120, RUS-M120-S
- ▶ RUS-M24, RUS-M24-S and RUS-M24-MOD

TECHNICAL SPECIFICATIONS

RUSN4X-SM Damper Actuator Weather Shield

Materials	Enclosure	Ultraviolet (UV) resistant polycarbonate plastic
	Enclosure Seal	Nitrile
	Cover	Transparent UV resistant polycarbonate plastic
	Cover Gasket	Polyurethane
Protection Class	Designed to NEMA 4X/IEC IP66 specifications	
Weather Shield Enclosure Ambient Storage Temperature Limits	-40 to 176°F (-40 to 80°C)	
Electrical Connections	Strain relief conduit fittings with 1/2 in. (13 mm) National Pipe Straight Mechanical (NPSM) exit	

IMPORTANT: The cover and gasket assembly must be installed correctly to ensure a tight seal. Water or moisture may damage or affect the operation of the electric actuator within the enclosure.

LINKS TO IMPORTANT DOCUMENTS

Document Title
Limited Warranty Document



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