

FSD60XP COMBINATION FIRE AND SMOKE DAMPER FOR "EXPLOSION PROOF" LOCATIONS

1½ HOUR UL555 RATED, UL555S LEAKAGE CLASS 1

APPLICATION

The FSD60XP is an FSD60 designed for "explosion proof" applications. The FSD60XP is designed with a spring return fuse link mechanism which causes the damper to close in the event of fire and is additionally equipped with an electric actuator factory installed in a Killark XJB enclosure. The XJB enclosure is suitable for dangerous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings. The FSD60XP can also be ordered with a rotary position indicator "approved" for dangerous locations.

STANDARD CONSTRUCTION

FRAME

5" x 16 gage (127 x 1.6) galvanized, hat-shaped channel, structurally superior to 13 (2.3) gage channel frame.

BLADES

Airfoil-shaped, double-skin, single piece construction with 14 gage (2.0) equivalent thickness, maximum 6" (152) wide.

SLEEVE

20" x 16 gage (508 x 1.6) galvanized steel minimum.

BEARINGS

Stainless steel sleeve, pressed into frame.

JAMB SEALS

Stainless steel, flexible metal compression type.

BLADE SEALS

Silicone edge type for smoke seal to 450°F (232°C) and galvanized steel for flame seal to 1900°F (1038°C).

LINKAGE

Concealed in frame.

HEAT RELEASE DEVICE

Spring return, fuse link mechanism. 165°F (74°C) standard. 212°F (100°C) is available at no additional cost.

ACTUATORS

MS4120, MS4120S, MS8120, MS8120S.

ENCLOSURE RATINGS

Class I, Div. 1 & 2, Groups C, D
Class II, Div. 1 & 2 Groups E, F, G
Class III
NEMA 7 C, D, 9 E F G

DAMPER SIZES

MINIMUM SIZE

8"w x 6"h (203 x 152).

MAXIMUM SIZE

Single Section – 32"w x 48"h (813 x 1219).
Multiple Section – 64"w x 48"h (1626 x 1219).

NOTES

1. Damper are furnished approximately ¼" (6) smaller than given opening dimensions.
2. Dimensions shown in parentheses () indicate millimeters.
3. **Installation may require special consideration due to the size and weight of the actuator and housing. Consult Ruskin for assistance.**

Model FSD60XP meets the requirements for fire, smoke and combination fire and smoke dampers established by:

- **National Fire Protection Association NFPA Standards** 90A, 92A, 92B and 101
- **BOCA National Building Codes**
- **ICBO Uniform Building Codes**
- **SBCI Standard Building Codes**
- **ICC International Building Codes**
- **CSFM California State Fire Marshal Fire Damper Listing** (#3225-245:102 and Smoke Damper Listing (#3230-245:110)
- **New York City (BSA Listing #176-82-SM)**

UL CLASSIFIED

UL555 Listing R5531, UL555S Listing R5531.

OPTIONS

- **Proximity Position Indicator**
- **FAST Angle** factory supplied for labor saving angle one-side installations.
- **PFMA** Picture Frame Mounting Angle factory supplied for angle two sides installation.
- **Factory Sleeves** of various lengths and gages to insure field compliance with UL installation requirements.
- **Access Doors** factory mounted in common sleeve to insure compliance with UL installation requirements.
- **FireStop Caulk Installation.**

