

# FS-1630 Class I Combination Fire/Smoke Dampers

## Description

The FS-1630 Fire/Class II Smoke Dampers are designed to prevent the spread of smoke and 1-1/2 hour fire rating for use within a dynamic HVAC system during life safety situations.

The FS-1630 is Underwriters Laboratories Inc.® (UL) listed and tested to the latest UL-555S and UL-555 standards.

The FS-1630 includes a factory-installed actuator which should be cycled at least once every six months or sooner as local codes require.

The FS-1630 is available with factory-installed blade position switch to connect to smoke control systems and indicate when blades are fully open or fully closed.

Refer to the *FS-1600 Series Combination Fire/Smoke Dampers Product Bulletin (LIT-1201593)* for important product information.

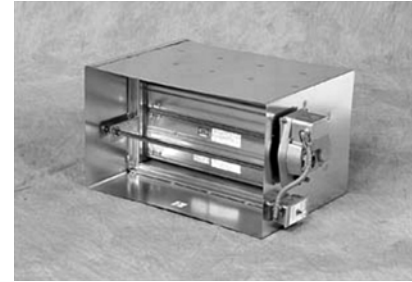
- shipping in as little as five working days from order entry

## To Order

Specify the code number from the selection chart. For information about available combinations, please contact your Johnson Controls® representative. (Not all combinations are available.)

FS-1630 standard dampers are available in one inch increments. Actual damper size is 1/4 inch less than nominal. All Johnson Controls damper dimensions are from the outside edges of the damper frame.

All Johnson Controls Dampers are built to order, just in time, and cannot be returned due to customer ordering errors. All dampers are backed by a 3-year warranty, which covers defects in materials or workmanship when used in our defined applications. Refer to terms and conditions of sale for specifics.



**FS-1630 Class I Combination Fire/Smoke Damper**

## Features

- 1-1/2 hour fire rating
- 250 or 350°F rated actuators
- three-year warranty on materials and workmanship.

## FS-1630 Class II Combination Fire/Smoke Damper Selection Chart

	Code Number	T	O	G	-	w	w	w	x	h	h	h
<b>Application</b>	T = Fire/Smoke											
<b>Blade Operation</b>	O = Opposed											
<b>Blade Type</b>	G = Airfoil											
<b>Heat-actuated Device</b>	L = 165°F actuation M = 212°F actuation H = 250°F actuation											
<b>Actuator Type</b>	A = 120 VAC 250°F, Two-Position B = 24VAC 250°F, Two-Position C = 120 VAC 350°F, Two-Position D = 24 VAC 350°F, Two-Position F = 120 VAC 250°F Modulating G = 24 V 250°F Modulating O = Pneumatic 250°F, Two-Position P = Pneumatic 350°F, Two-Position <sup>1</sup> Q = Pneumatic, Modulating <sup>1</sup>											
<b>Width Dimensions</b>	008 to 120, 1 inch increments <sup>1, 2</sup>											
<b>Height Dimensions</b>	007 to 096, 1 inch increments <sup>1, 2</sup>											
<b>Options (Limit two)</b>	See Factory Options list											

1. Fire/smoke dampers with 350° pneumatic or modulating actuators are limited to a maximum height of 48 inches.
2. Maximum single panel size is 30 inches wide x 72 inches high.

**Note:** Standard actuator installation is outside the air stream mounted on the sleeve.

Example: TOGLA-020x020 is a Class I, 1-1/2 hour combination fire/smoke damper that has airfoil blades, opposed blade operation, stainless steel bearings, dimensions are 20 inches wide x 20 inches high, with a 20 inch long/20 gauge sleeve, a 120 VAC electric actuator, and a 165°F electric fuse link.

## Factory Options

- D = DSDN, no flow duct smoke detector
- E = exact whole inch (no undercut)
- F = fast angle with sleeve (panels up to 72 inches wide x 48 inches high include one angle; panels larger than 72 x 48 inches include two angles)
- I = factory-installed Blade Position Switch Kit
- Q = internal mount actuator (minimum size for electric = 10 inches wide x 21 inches high, pneumatic = 18 inches x 24 inches)
- V = transition to round or oval duct (maximum size is 70 x 92 inches)

**Note:** Limit of two factory-installed options.