

**SLEEVE
DIMENSIONAL
INFORMATION
FOR COMBINATION
FIRE/SMOKE DAMPERS**

SLEEVES

FIRE/SMOKE DAMPERS

MODEL: FSD 111, CFSD 222, & SD 333

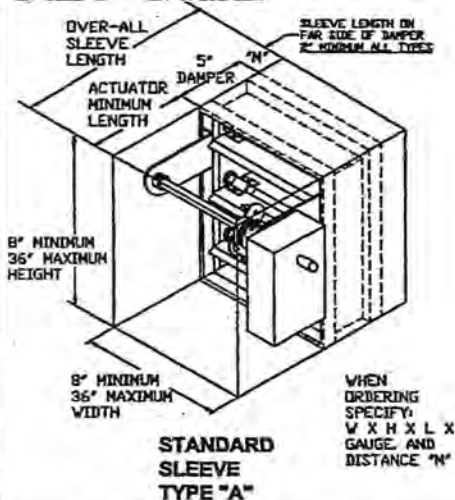
STANDARD SLEEVES

FIRE SMOKE DAMPERS AND CORRIDOR FIRE SMOKE DAMPERS WILL BE SUPPLIED WITH FACTORY MOUNTED TYPE "A" SLEEVES FOR STANDARD SYSTEM DUCTING TO THE CATALOG DIMENSIONS UNLESS OTHERWISE SPECIFIED.

NON-STANDARD "A" SLEEVE ORDERING INFORMATION

TO DETERMINE A NON-STANDARD SLEEVE LENGTH:
(1) ESTABLISH DAMPER WIDTH X HEIGHT
(2) DETERMINE THE ACTUATOR TYPE, MODEL, AND MOUNTING TYPE

(3) ESTABLISH THE MINIMUM ACTUATOR MOUNTING DISTANCE FROM THE MOUNTING DIAGRAMS.
(4) DETERMINE THE SLEEVE DISTANCE "M" OPPOSITE TO THE ACTUATOR SIDE OF THE DAMPER.
(5) ADD THE ACTUATOR MOUNTING DISTANCE TO THE "M" DISTANCE AND THE 5.80" DAMPER THICKNESS.
(6) INTEGRAL FLANGES 1-1/2" WIDE CAN BE PROVIDED ON SLEEVES WHEN SPECIFIED.



SLEEVE TRANSITIONS

FIRE SMOKE DAMPERS AND CORRIDOR FIRE SMOKE DAMPERS CAN BE SUPPLIED WITH FACTORY MOUNTED SLEEVES TO TRANSITION TO ROUND, SQUARE, RECTANGULAR, OVAL OR SPECIAL SYSTEM DUCTING.

**SLEEVE ORDERING INFORMATION:
FOR SLEEVE LENGTH:**

USE THE STANDARD "A" SLEEVE LENGTH CALCULATION

TYPE "CR"-ROUND:

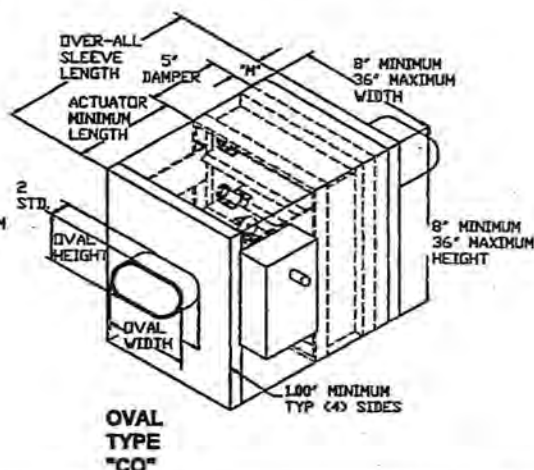
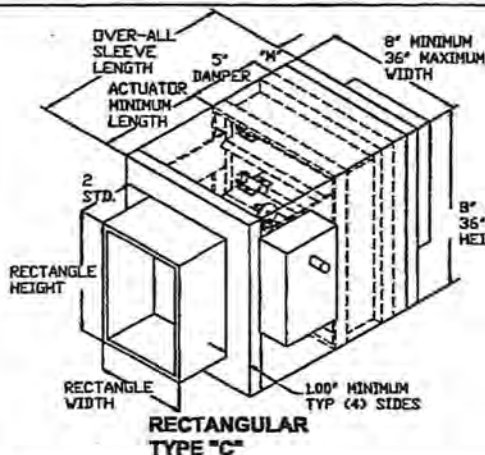
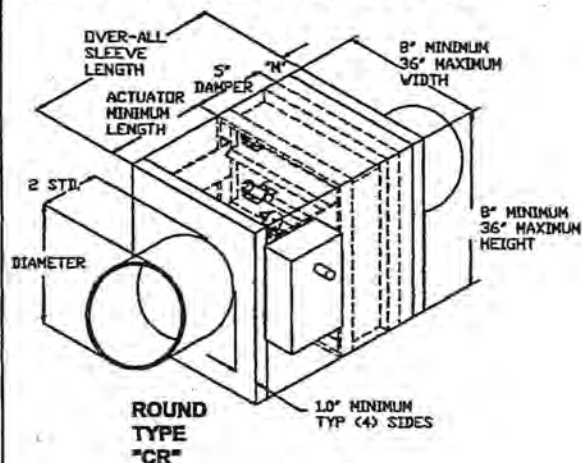
SPECIFY THE ROUND DUCTING DIAMETER.
(THE ACTUAL DAMPER FRAME WILL BE +2.00"W X +2.00"H)

TYPE "C"-RECTANGLE:

SPECIFY THE RECTANGLE WIDTH X RECTANGLE HEIGHT
(THE ACTUAL DAMPER FRAME WILL BE +2.00"W X +2.00"H)

TYPE "CO"-OVAL:

SPECIFY THE OVAL WIDTH X OVAL HEIGHT
(THE ACTUAL DAMPER FRAME WILL BE +2.00"W X 2.00"H)



10410-REV-A



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FIRE SMOKE DAMPERS

SELECTION SPECIFICATIONS FOR EXTERNAL DIRECT DRIVE ACTUATORS

DAMPER MODELS:

FSD-111, CFSD-222, SD-333,

ACTUATOR MODELS:

SIEMENS: GGD121.1U, GGD221.1U, GGD321.1U

SIEMENS: GND121.1U, GND221.1U, GND321.1U

BELIMO: FSNF24, FSNF120, FSNF230

1. ACTUATOR MOUNTING LOCATIONS:

STANDARD IS RIGHT FRONT (OPTIONAL: LEFT FRONT)

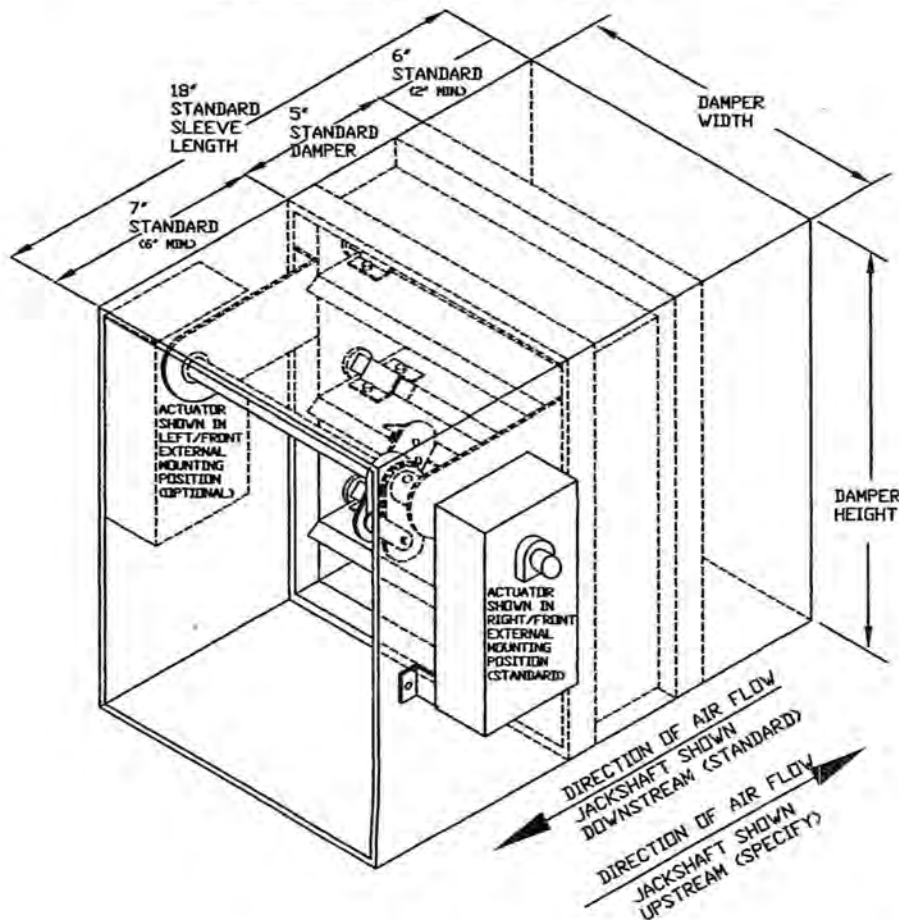
2. SLEEVE LENGTHS:

STANDARD IS 18" SHOWN (OPTIONAL: SPECIFY DIMENSION REQUIREMENTS ABOVE MINIMUMS)

3. JACKSHAFT LOCATIONS:

STANDARD IS DOWNSTREAM (OPTIONAL: UPSTREAM)

4. AIR FLOW DIRECTION: NORMALLY JACKSHAFT IS DOWNSTREAM UNLESS SPECIFIED.



10052-REV-D-2



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FIRE SMOKE DAMPERS

SELECTION SPECIFICATIONS FOR INTERNAL DIRECT DRIVE ACTUATORS

DAMPER MODELS:

FSD-111, CFSD-222, SD-333.

ACTUATOR MODELS:

SIEMENS: GGD121.1U, GGD221.1U, GGD321.1U

SIEMENS: GND121.1U, GND221.1U, GND321.1U

BELIMO: FSNF24, FSNF120, FSNF230

1. ACTUATOR MOUNTING LOCATIONS:

STANDARD IS LEFT FRONT AS SHOWN

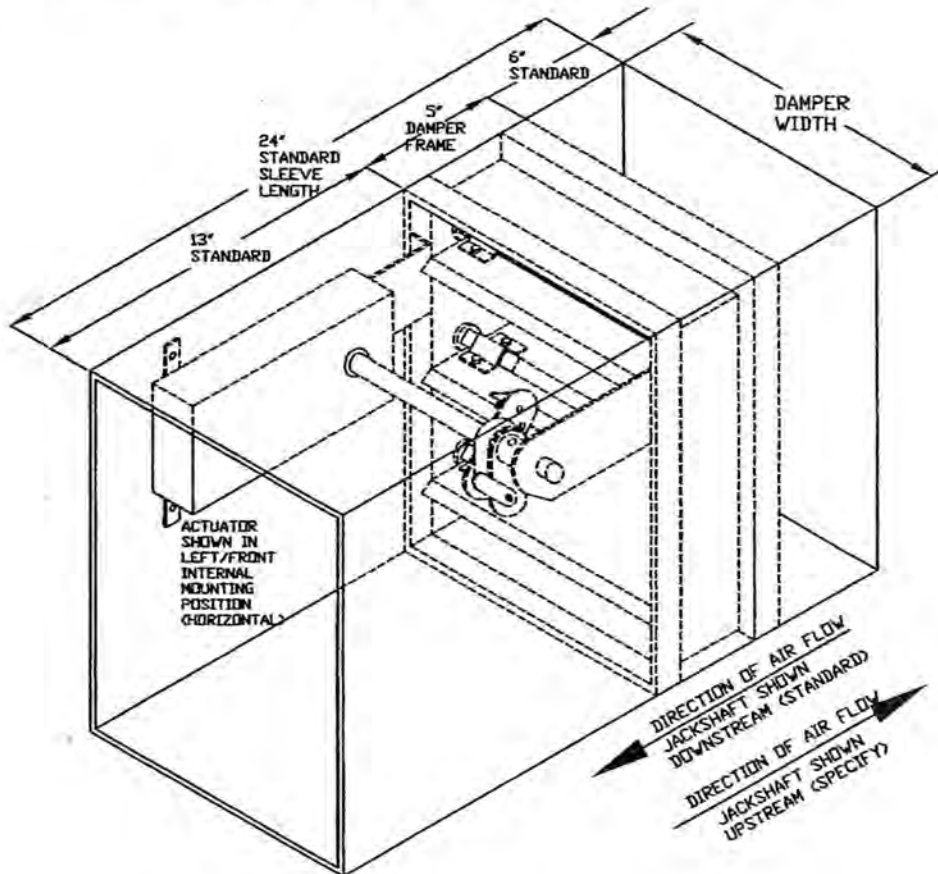
2. SLEEVE LENGTHS:

STANDARD IS 24" SHOWN (OPTIONAL: SPECIFY DIMENSION REQUIREMENTS ABOVE MINIMUMS)

3. JACKSHAFT LOCATIONS:

STANDARD IS DOWNSTREAM (OPTIONAL: UPSTREAM)

4. AIR FLOW DIRECTION: NORMALLY JACKSHAFT IS DOWNSTREAM UNLESS SPECIFIED.



NOTE: CONSULT THE FACTORY FOR MINIMUM DAMPER SIZES.

10052-REV-D-1



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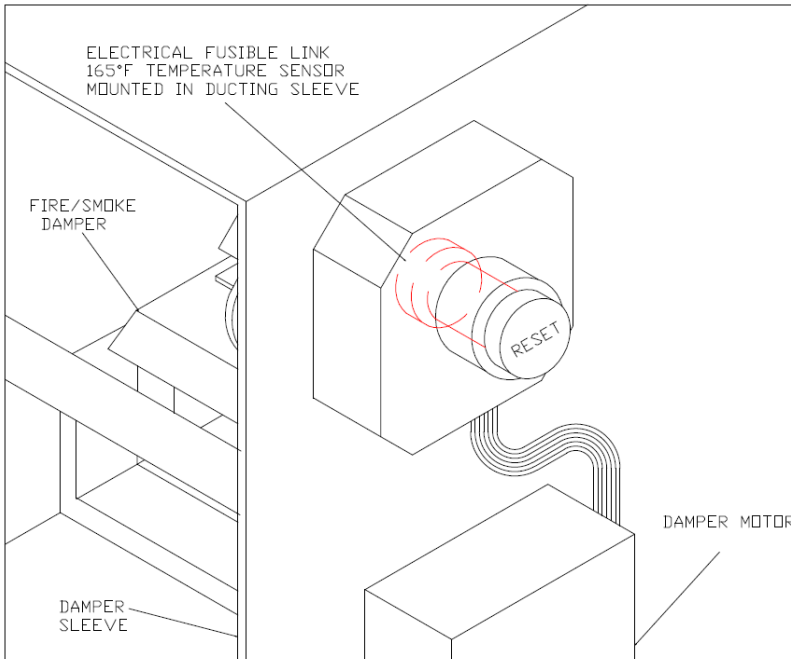
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LLOYDSTAT



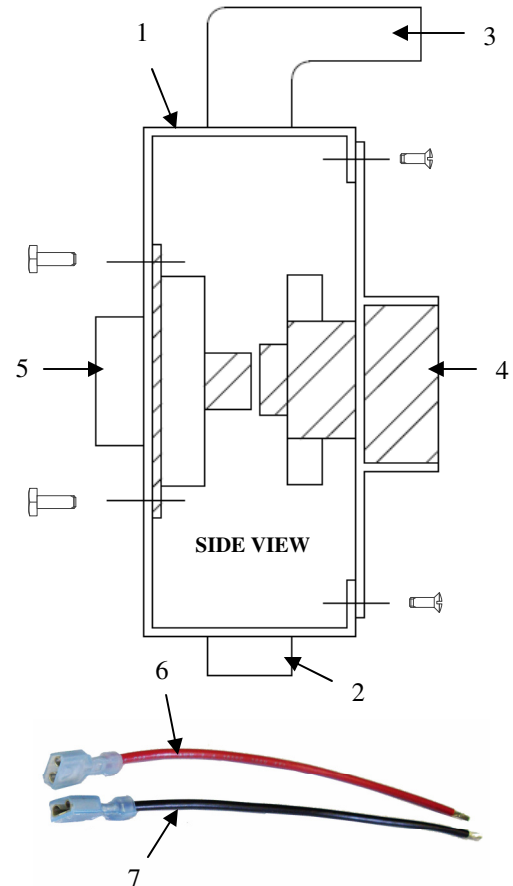
APPLICATION

The Lloydstat is an electronic fusible link that is used in conjunction with fire/smoke dampers. When it detects temperature exceeding 165°F, the damper will close and lock. Upon cessation of fire conditions the damper can be reopened by pressing the reset button.



Available combination fire/smoke dampers, smoke dampers, and corridor combination fire/smoke damper assemblies with electronic fusible link installed.

Models No: FSD-111-1-PB-LS CFSD-222-1-PB-LS
FSD-111-2-PB-LS CFSD-222-2-PB-LS



Item	QTY	DESCRIPTION
1	1	OCTAGON BOX
2	1	STRAIGHT CONNECTOR
3	1	90 DEGREE CONNECTOR
4	1	RESET BUTTON
5	1	165 D. THERMOSTAT
6	1	TERMINAL CONNECTED FEMALE WIRE (RED)
7	1	TERMINAL CONNECTED FEMALE

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