

# CORRIDOR FIRE/SMOKE DAMPER

## INSTALLATION INSTRUCTIONS HORIZONTAL MOUNT 1 HR RATED DAMPERS

Damper shall be fastened to sleeve with #10 or #8 x 3/4" sheet metal screws on 6" centers (max). No further than 2" from either end.

See notes 2 and 3 regarding duct connections.

Angles shall be a minimum of 1-1/2" x 1-1/2" x 1/16" and fastened to the sleeve and damper only. Must be fastened on all (4) sides with 1/4" bolts, 1/2" long welds or No.10 or No.8 sheet metal screws on 8" maximum centers. (See Note #4 for expansion clearance and overlap.)

Angles shall not be fastened to each other at the corners or fastened to the fire wall.

Angles may be reversed when diffusers or grills require flush mounting.

Installation per NFPA90A, UL555 and SMACNA Fire Smoke and Radiation Installation Guide.

**FASTENERS MUST BE PLACED WHERE THEY DO NOT INTERFERE WITH DAMPER OPERATION**

### Notes:

1. Sleeves shall be the same gauge or heavier than the duct to which it is attached. Gauges shall conform to SMACNA or ASHRAE standards.
2. When the follow sleeve connections are used, the minimum gauge of the sleeve shall 16 gauge on dampers not exceeding 24"W x 24"H.
  - a. Angle reinforced standing seam.
  - b. Angle reinforced pocket lock.
  - c. Companion angles.
  - d. Metal fasteners approximately 16" on centers.
3. The following breakaway sleeve connections may be used on all systems:
 

a. Plain "S" Slip	e. Reinforced Bar Slip
b. Hemmed "S" Slip	f. Angle Slip
c. Bar Slip	g. Inside Slip Joint
d. Standing "S" Slip	h. Double "S" Slip
4. Clearance for expansion of 1/8" per foot of sleeve dimension is required. Angles should lap masonry a minimum of 1" around the entire opening.
5. Maximum sleeve extension from the wall or floor opening is 6" on the damper side without actuator. Maximum sleeve extension from the wall or floor opening is 16" on the damper side with actuator.
6. Dampers may be installed outside the rated ceiling surface, provided that the edge of the damper frame does not exceed 3" from the rated surface and a qualified thermal blanket is installed around the sleeve, 8" high.
7. The connection ducts shall not be continuous, but shall terminate at the sleeve or frame.
8. Dampers are supplied with factory mounted actuators designed to close automatically upon loss of power.
9. The jackshaft side of the damper may be installed either "upstream" or "downstream".
10. A continuous bead of Dow Corning RTV-732, Dow Corning 999A, GE-1200 Silicone Rubber Sealant (or approved equal) shall be applied between the damper and the sleeve for its entire profile on one side of the installation as a minimum.
11. Installed damper units require operational checks upon completion to ensure proper functioning.
12. An access door is a NFPA requirement for damper inspection and testing.
13. For use in static and dynamic systems up to the maximum rated temperature, velocity and water gauge.
14. Electric actuator connections shall conform to the National Electric Code.
15. Pneumatic actuators require metallic airline connections, and a minimum of 20PSI supply air. (Not to exceed 30PSI)
16. **CAUTION: THE HEAVY DAMPER CLOSURE SPRING IS UNDER LOAD.**

### MAXIMUM DAMPER SIZES

TYPE INSTALLATION	SINGLE UNITS IN INCHES	
	Height	Width
HORIZONTAL	24	24



### FUSIBLE LINKS

165° F is standard.  
Located in pin grooves.

10084-REV-E-1



# LLOYD INDUSTRIES INC.

231 Commerce Drive  
Montgomeryville, PA 18936  
215-412-4445 • Fax: 215-412-4409  
Email: lloydind@firedamper.com

138 Industrial Loop West  
Orange Park, FL 32073  
904-541-1655 • Fax: 904-541-1657  
Email: lloydind1@bellsouth.net

website: www.firedamper.com

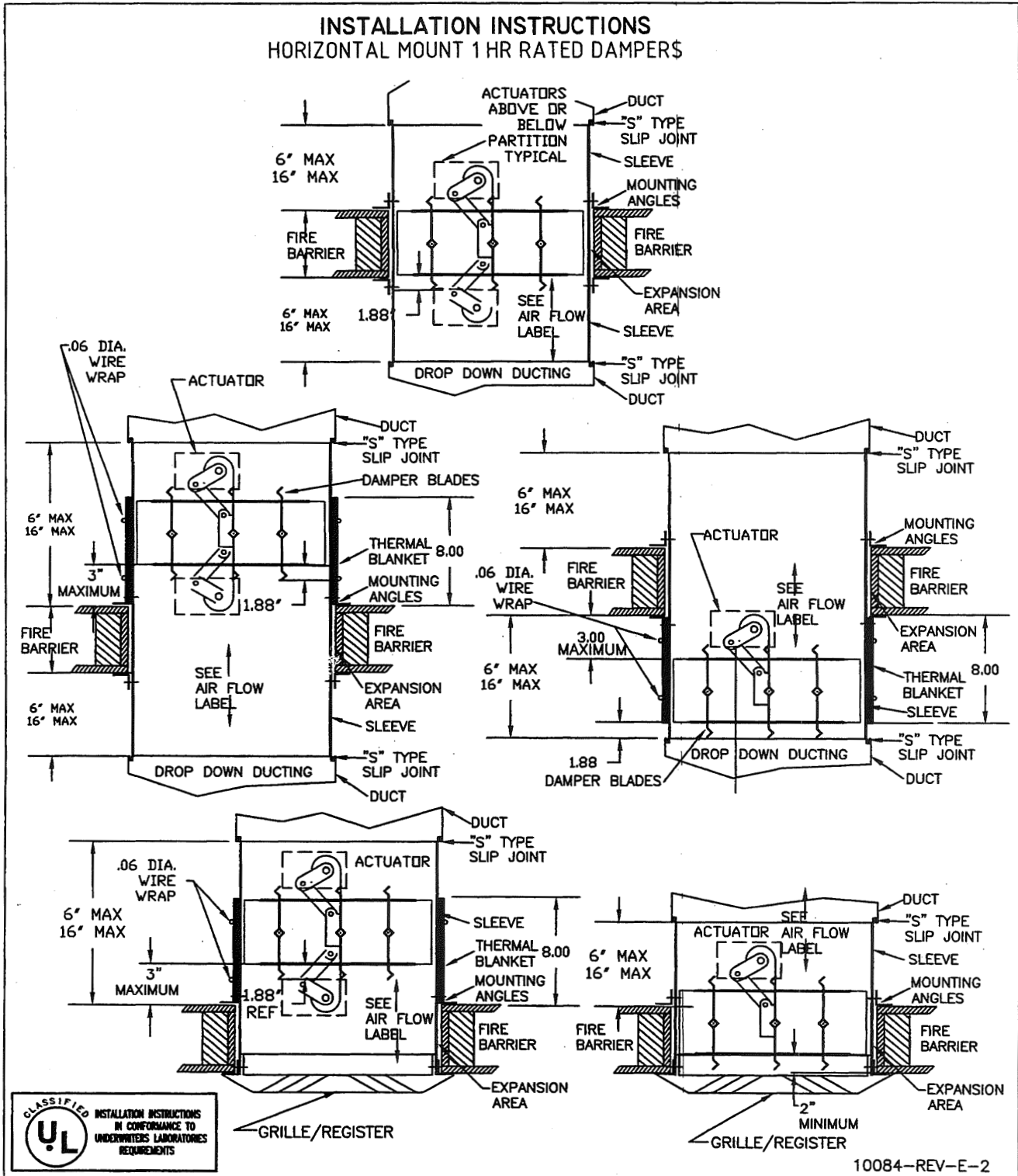
Lloyd Asia  
B1, 4/F., Luen Ming Hing Factory Building  
36 Mok Cheong St.

To Kwa Wan, Kowloon, H.K.  
852-2760 4188 • Fax: 852-2760 4177  
tatanlexyim@lloydasia.com



# CORRIDOR FIRE/SMOKE DAMPER

## INSTALLATION INSTRUCTIONS HORIZONTAL MOUNT 1 HR RATED DAMPERS



# LLOYD INDUSTRIES INC.

231 Commerce Drive  
Montgomeryville, PA 18936  
215-412-4445 • Fax: 215-412-4409  
Email: lloydind@firedamper.com

138 Industrial Loop West  
Orange Park, FL 32073  
904-541-1655 • Fax: 904-541-1657  
Email: lloydind1@bellsouth.net

Lloyd Asia  
B1, 4/F., Luen Ming Hing Factory Building  
36 Mok Cheong St.

To Kwa Wan, Kowloon, H.K.  
852-2760 4188 • Fax: 852-2760 4177  
tatanlexyim@lloydasia.com



website: www.firedamper.com