

COMBINATION FIRE/SMOKE DAMPERS

Supplemental Assembly Instructions for horizontal multi-section assemblies



NOTE: This set of instructions shall serve as a supplement to the original United Energetech installation instructions. Please refer to the fire damper and combination fire/smoke damper installation instructions for all applicable models before utilizing this document.

APPLICATION:

These installation instructions are intended for Multi-section (widths) Horizontally Mounted United Energetech models **FD-110, 160 or FDD-110, 160** 1-1/2 hour rated fire dampers and models **F/S-3V or F/S-AF** combination fire and smoke dampers. This supplement shows how to assemble multi-section width units (over 36" wide) to be mounted horizontally. Maximum shipped assembly size is **72"w x 96"h (contains 4 damper sections with (1) full height z-mullion). Sizes over 72"w (up to 144"w) will be shipped as multiple sub-assemblies to be connected in the field. Retaining angles must be 2"x4"x16 ga galvanized (4" leg rests on partition, 2" leg on sleeve) to be field attached to sleeve with 1/4" bolts, 1" from ends, 6" max. o.c.

**Maximum single section size: 36"w x 48"h
Maximum multi-section assembly size: 144"w x 96" (8 sections)

Att. Method/Fastener Type	*Spacing
#10 sheet metal screws	2" from ends, 6" max. o.c.
1/4" (6mm) bolts and nuts	2" from ends, 6" max. o.c.
1/4" (6mm) tack welds	2" from ends, 6" max. o.c.
3/16" (5mm) steel rivets	2" from ends, 6" max. o.c.

*Fastener spacing is staggered on 3" centers (6" o.c. for each damper section)

Att. Method/Fastener Type	*Spacing
1/4" (6mm) bolts and nuts	1" from ends, 3" max. o.c.
1" (25mm) stitch welds	1" from ends, 3" max. o.c.

Full Perimeter Retaining angles (see instructions above)

4" wide 18 ga galv. splice plate att. for sleeve assembly with #10 sms, 2.5" from ends, 4" max. o.c.

