

SECTION 2

DAMPERS / FIRE SAFETY / DUCT ACCESS DOORS

DAMPERS

AG-15, AG-95 – Square Opposed Blade Dampers 18
AG-75, D-100 – Round Radial Dampers 18
270 - Young Concealed Regulator 19
Combination Fire / Smoke Dampers 20
Fire Dampers 21
Ceiling Radiation Dampers..... 22

FIRE SAFETY

Thermal Blankets 22
Smoke Detector 23
Sampling Tube 23
Remote Alarms..... 23

DUCT ACCESS DOORS

Round Spiral Duct Access Doors 24
Sheet Metal Duct Access Doors 24
Fire Rated Access Doors..... 24

TITUS MODEL AG-15

Use on 300, 350, 50F series, PCS. Screwdriver operator



Stock #	Size	List Price
AG156	6" X 6"	\$14.00
AG158	8" X 8"	\$15.00
AG1510	10" X 10"	\$17.00
AG1512	12" X 12"	\$19.00
AG1514	14" X 14"	\$24.00
AG1516	16" X 16"	\$30.00
AG1518	18" X 18"	\$36.00
AG1520	20" X 20"	\$50.00
AG1524	24" X 24"	\$60.00

TITUS MODEL AG-95

Use on TDC and perforated diffusers. Operated via lever



Stock #	Size	List Price
AG956	6" X 6"	\$11.00
AG959	9" X 9"	\$15.00
AG9512	12" X 12"	\$20.00
AG9515	15" X 15"	\$36.00
AG9518	18" X 18"	\$49.00
AG9521	21" X 21"	\$60.00

TITUS MODEL AG-75

Gang operated opposed blades. Mounts directly to neck



Stock #	Size	List Price
AG7514	14"	\$36.00
AG7515	15"	\$38.00
AG7516	16"	\$40.00

TITUS MODEL D-100

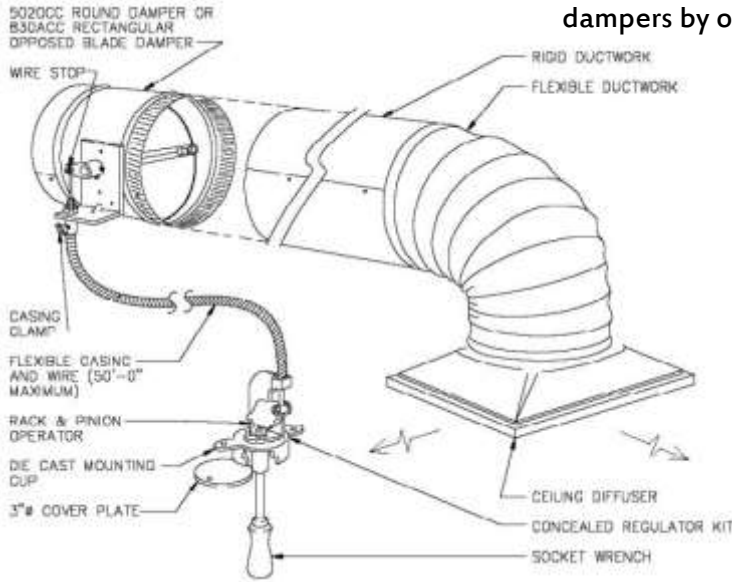
Gang operated radial blades. Mounts on neck, flush with the top. Useful in flex duct applications.



Stock #	Size	List Price
D1006	6"	\$14.00
D1008	8"	\$16.00
D10010	10"	\$16.00
D10012	12"	\$17.00
D10014	14"	\$28.00

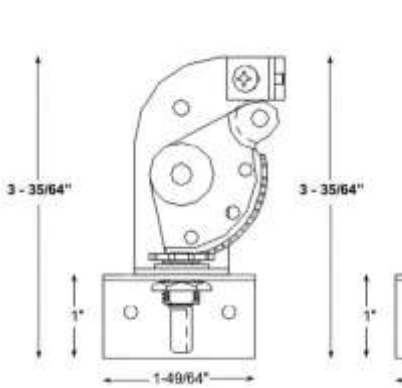
YOUNG REGULATORS

Remote cable controls and hardware. Includes hardware for dampers by others: 1/2" round or 3/8" square shaft.



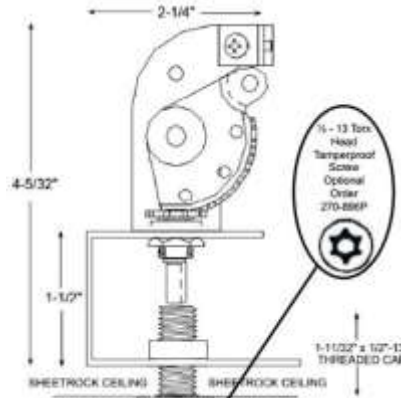
Stock #	Description	List Price
270-275B	Non-Ceiling Mount	\$90.00
270-301B	Ceiling Mount	\$100.00
270-896B	Ceiling Mount	\$110.00
270-275MLB	ML Linear	\$112.00
BCW	Cable and Wire	\$5.00 (ft.)
030	Bowden Wrench	\$30.00

Optional Oval Plenum Damper – Titus ML Plenum	
Stock #	List Price
800AWO-T-08	\$98.00
800AWO-T-10	\$102.00
800AWO-T-12	\$114.00



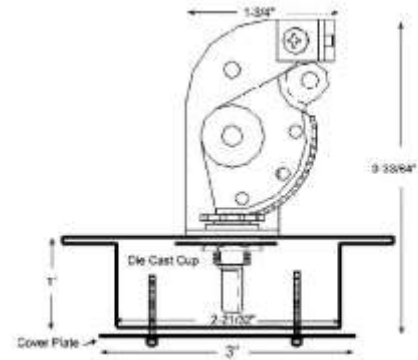
270-275B

Mounts above lay-in ceiling behind grilles, inside plenum



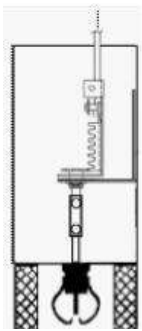
270-896B

Mounts in ceiling



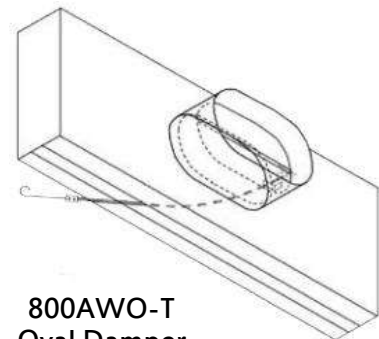
270-301B

Mounts in ceiling



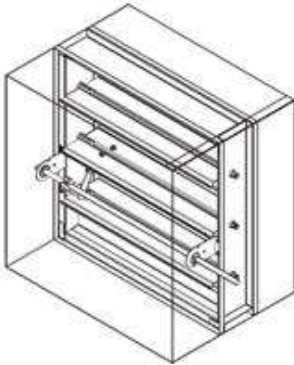
270-275-ML

Extended control shaft for "ML" style linear



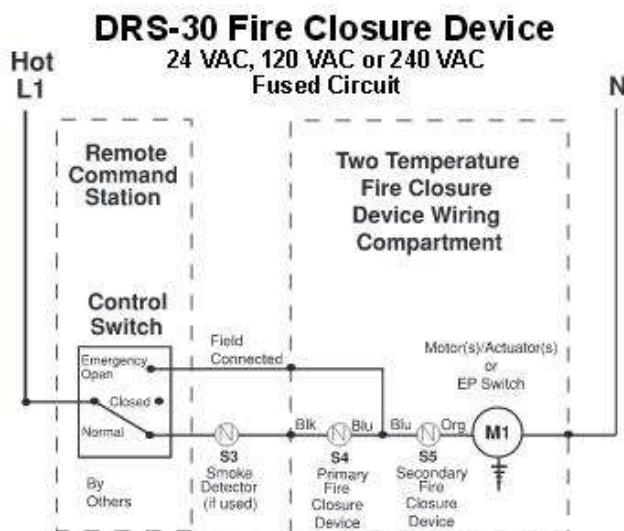
800AWO-T
Oval Damper

POTTORFF COMBINATION FIRE/SMOKE DAMPERS – 5 YEAR WARRANTY



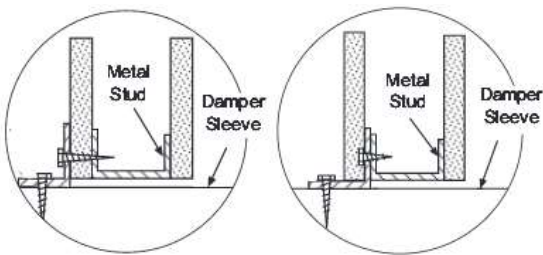
UL Listed – 250°F – 120 Volt Belimo Actuator. Class 2, 20" sleeves, retaining angles shipped loose. DRS-30 remote re-open feature. Qualified to 2000 ft/min and 4 in. wg. Install in vertical walls or partitions, or horizontally in floors or assemblies, with fire resistance ratings up to 2 hours. With picture frame angles shipped loose.

Stock #	Size	List Price
FS2V8	8" X 8"	\$630.00
FS2V10	10" X 10"	\$650.00
FS2V12	12" X 12"	\$660.00
FS2V14	14" X 14"	\$720.00
FS2V16	16" X 16"	\$740.00
FS2V18	18" X 18"	\$800.00
FS2V20	20" X 20"	\$810.00
FS2V24	24" X 24"	\$840.00



S3 - Smoke detector or fan interlock contact.
S4 - Primary fire closure device set at 165F (Std.).
S5 - Secondary fire closure device set at 250F or 350F.

Wiring Diagram



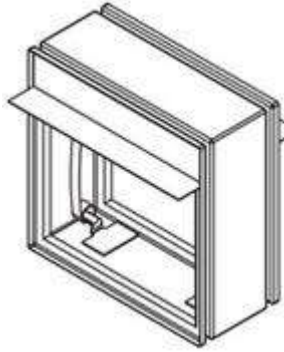
Mounting Angles

Accessories

Smoke Detector – pg. 23

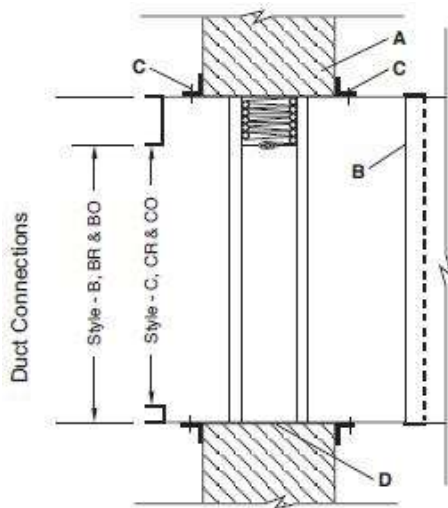
Access Doors – pg. 24

POTTORFF DYNAMIC FIRE DAMPERS - OUT OF AIR STREAM - 5 YEAR WARRANTY

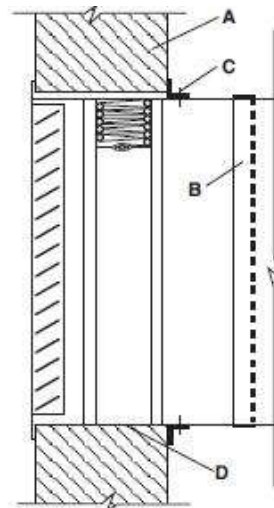


UL Listed – 1.5 Hour Rated. Vertical Installation. Dynamic Qualified to 4,000 ft. / min and 4 in. wg. 12" long sleeve. Type B Blades out of airstream.

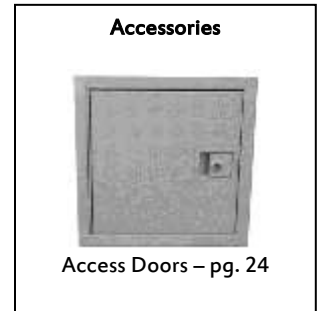
Stock #	Size	List Price
VFD-10D-ISB8	8" X 8"	\$80.00
VFD-10D-ISB10	10" X 10"	\$90.00
VFD-10D-ISB12	12" X 12"	\$95.00
VFD-10D-ISB14	14" X 14"	\$105.00
VFD-10D-ISB16	16" X 16"	\$115.00
VFD-10D-ISB18	18" X 18"	\$135.00
VFD-10D-ISB20	20" X 20"	\$140.00
VFD-10D-ISB24	24" X 24"	\$170.00



Damper Installation For Typical Fire Rated Partition



Damper Installation For Typical Flange Termination with Grille / Register



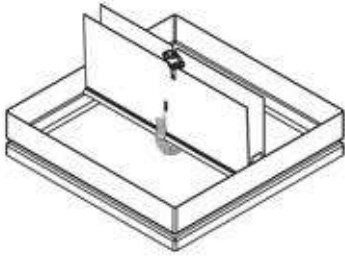
Add 2" for blades stacked in head.

Classified by Underwriters Laboratories as a 1 1/2 hour fire protection rated Fire Damper, in accordance with standards UL-555 and NFPA-90A, for the protection of openings in fire partitions having a fire resistance rating of less than three hours.

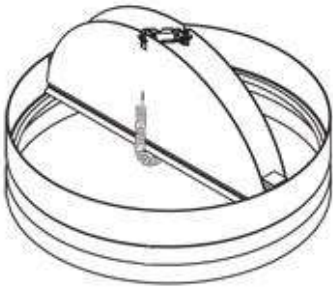
NO ADDITIONAL SLEEVE REQUIRED, PROVIDED DUCT THICKNESS IS 20 GA. OR LESS, AND U.L. APPROVED BREAKAWAY DUCT-TO-SLEEVE CONNECTION JOINTS ARE USED, PER UL-555.

POTTORFF CEILING RADIATION DAMPERS - 5 YEAR WARRANTY

UL listed. 3 hour rated.



Square		
Stock #	Size	List Price
CFD-15-66	6" X 6"	\$34.00
CFD-15-88	8" X 8"	\$38.00
CFD-15-1010	10" X 10"	\$48.00
CFD-15-1212	12" X 12"	\$55.00
CFD-15-1414	14" X 14"	\$68.00
CFD-15-1616	16" X 16"	\$74.00
CFD-15-1818	18" X 18"	\$80.00
CFD-15-2020	20" X 20"	\$84.00
CFD-15-2222	22" X 22"	\$90.00



Round		
Stock #	Size	List Price
CFD15R-6	6"	\$42.00
CFD15R-8	8"	\$46.00
CFD15R-10	10"	\$48.00
CFD15R-12	12"	\$60.00
CFD15R-14	14"	\$68.00

THERMAL BLANKETS

For use with radiation dampers. Can be cut to size.



Stock #	Size	List Price
CDB	24" X 24"	\$30.00

AIR PRODUCTS & CONTROL SMOKE DETECTOR



Ionization type, Non-addressable. No tools required
 Low flow 100 – 4000 fpm
 230V AC, 115V AC, 24V AC/DC.

Stock #	List Price
SL-2000-N	\$220.00

SAMPLING TUBE



Fits Smoke Detector. Available in 2 Sizes. Can cut to length.

Stock #	Size	List Price
0532	2.5'	\$14.00
0533	5'	\$16.00
FAST TUBE	Adjustable	\$28.00

REMOTE ALARM



Pilot, Alarm(Red LED), Pilot, Test/Reset (push button).
 (Model #MS-RA/P/R)

Stock #	List Price
0537	\$48.00

REMOTE ALARM

White cover plate, (model #MSR-100R/W) Visual indication of detector
 "Pilot, Trouble and Alarm"; Key-operated "Test & Reset" functions.



Stock #	List Price
MSR100RS	\$160.00

ROUND ACCESS DOORS

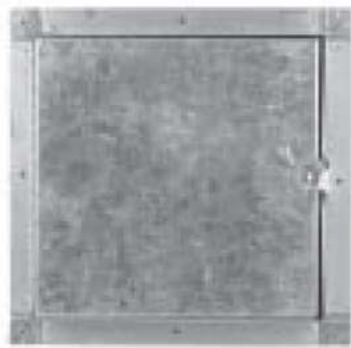
20 gauge, insulated, tested to 20" S.P. with minimal leakage.



Stock #	Size	List Price
WAD6	10" X 6" for 6" round	\$72.00
WAD8	10" X 6" for 8" round	\$72.00
WAD10	10" X 6" for 10" round	\$72.00
WAD12	10" X 6" for 12" round	\$72.00
WAD14	10" X 6" for 14" round	\$72.00
WAD16	10" X 6" for 16" round	\$72.00

DUCT ACCESS DOORS

24 gauge, insulated, flanged frame with gasket, tabs, and cam lock. Hinged.



Stock #	Size	List Price
ADF6	6" X 6"	\$38.00
ADF8	8" X 8"	\$40.00
ADF10	10" X 10"	\$52.00
ADF12	12" X 12"	\$52.00
ADF14	14" X 14"	\$56.00
ADF16	16" X 16"	\$68.00
ADF18	18" X 18"	\$89.00
ADF20	20" X 20"	\$105.00
ADF24	24" X 24"	\$124.00

FIRE RATED ACCESS DOORS

UL 1.5 hour fire rated. Flush mounted for walls or ceilings.



Stock #	Rough-In	Size	List Price
FD12	12-3/8" X 12-3/8"	12" X 12"	\$190.00
FD14	14-3/8" X 14-3/8"	14" X 14"	\$210.00
FD16	16-3/8" X 16-3/8"	16" X 16"	\$230.00
FD18	18-3/8" X 18-3/8"	18" X 18"	\$240.00
FD24	24-3/8" X 24-3/8"	24" X 24"	\$300.00