

MODEL FSD-3V-S-211 AND MODEL FSD-3V-S-231 COMBINATION FIRE/SMOKE DAMPER (WITH SLEEVE) U.L. 555 CLASSIFIED  $1^{1}$ /2 AND 3 HOURS / U.L. 555S CLASSIFIED CLASS I U.L.C. S112 CLASSIFIED  $1^{1}$ /2 AND 3 HOURS VERTICAL AND HORIZONTAL MOUNTINGS

Г	U.L. 555S CLA			F	
	AT 250°F OR DEPENDING MOTOR/OPER	350°F UPON RATOR R SCHEDULE		he FSD-3V-S-2X bers have been L., U.L.C. and hers as well as sr	
i					
		staked corners with integral bracing. 16 ga. Roll-formed galvanized steel. Minimum width: 4.250" (108 mm) Maximum width: 7.250" (184 mm)	mm FS	o operate as a SD-3V-S-211 is Iabeled as SD-3V-S-231 is abeled as a 3 h	
	-	Bronze Oilite, press-fit into frame. Square, plated steel.	• U.	L.and U.L.C. list	
	Seals:	Pressure sensitive 450°F silicone blade edge seals and flexible metal jamb seals. Concealed in frame. Linkage bars are .125"	a Lea in boi leaka As we	L. 555S / U.L.C kage Class I ra th directions. C ge of 8 cfm per s are constantly uggest you co	
I	Heat Respons	(3.2 mm) thick plated steel.		nation.	
	Fus Sna Fin Spr 1-1/2 Hr. Vert 1-1/2 Hr. Horiz 3 Hr. Vert 3 Hr. Horizo	<ul> <li>ible Links, 165° F and 212° F</li> <li>ip Disc, 250° F and 350° F</li> <li>ish: Mill galvanized.</li> <li>ing: Stainless steel.</li> <li>zes: Minimum Size: 8"w x 6"h</li> <li>(203 mm x 152 mm)</li> <li>Maximum UL Listed Size:</li> <li>Single Section: 36"w x 48"h</li> <li>(914 mm x 1219 mm)</li> <li>ical: Multiple Assembly-108"w x 96"h</li> <li>(2743 mm x 2438 mm)</li> <li>ontal: Multiple Assembly-72"w x 96"h</li> <li>(1828 mm x 2438 mm)</li> <li>ical: Multiple Assembly-72"w x 96"h</li> <li>(1828 mm x 2438 mm)</li> <li>ical: Multiple Assembly-72"w x 96"h</li> <li>(1828 mm x 2438 mm)</li> </ul>	PATENTED: U.S. 4,487,214 CDN. 1,165,661 U.K. 2,098,475 PATENTED: U.S. 4,487,214 CDN. 1,165,661 U.K. 2,098,475	Isible link/actuat ide system to c e. Also av table/override le thermostat) olete discretion og a fire/smoke (R submittal di g return type of the detector is re- tation in the smo so available ar and PFV (Pre- hs provide quick over operations ire Control. Opti- ut the need/cos ection at the da ailable optior mounting (see uator is to be ex-	
02-05		Su Symoke Dampers shall be Model: FSD-3V-S-211, Npers and Smoke Dampers. U.L. 555S / U.L.C. S			
211 -		size. Linkage shall be of the concealed type for ma	ximum free area.		
FSD-3V-S-211 - 02-05	the latest editi	Manufa rts of the damper must be inspected and on of NFPA 90A, 92A, local codes and the Dry lubricants are recommended.			
-	Project:		Contractor:		

## EATURES

X1 series Combination Fire/Smoke n designed and tested to exceed d N.F.P.A. requirements for fire smoke dampers. They are intended ing codes call for the fire damper a smoke damper.

s U.L. 555 and U.L.C. S112 listed a 1-1/2 hour fire damper. s U.L. 555 and U.L.C. S112 listed hour fire damper.

sted for both vertical and horizontal

C. S112.1 listed and labelled as ated Smoke Damper with airflow Class I provides for a maximum sq. ft. at 4.0 inches static pressure. expanding our U.L./U.L.C. listings, contact the factory for current

ator (DLT-1) provides an automatic close and latch damper in the fire vailable with automatic e release options: Model STO/R t) to provide the fire fighter with nary control of smoke functions e emergency. (See STO/R and drawings for complete details). damper motor controlled by a ecommended to provide proper oke mode.

re options EFL (Electric Fusible neumatic Fusible Valve). These ck and economical ways to check and also provide a Systematic tion PFV allows damper operation st for an E-P valve and electrical amper.

onal 3/4" flanged sleeve for e fig.9 of installation instructions). xternally mounted, it is suggested e field installed.

he Underwriters' Laboratories labels 8 cfm per sq. ft. at 4.0 inches static

onths and in accordance with nall be removed and inspected

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NCA MANUFACTURING INC.		042 TEL 072-276-5002 EAX 072-276-6747
Engineer:	Date:	
Architect:	P.O. Number:	
Location:	Address:	
Project:	Contractor:	

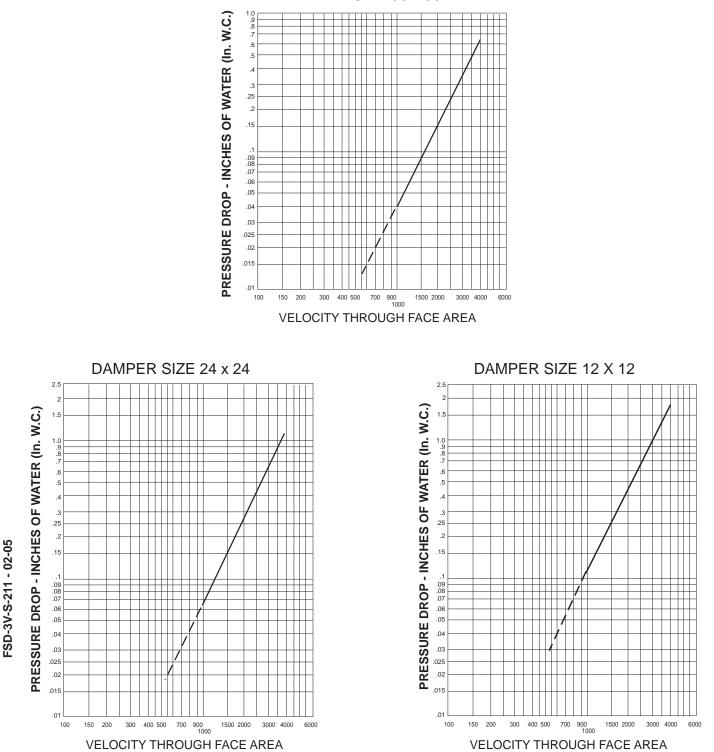


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## PERFORMANCE DATA

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Pressure drop testing was done by an independent laboratory to the AMCA Standard 500-D, Fig. 5.3 ductwork upstream & downstream.



DAMPER SIZE 36 x 36