

SA1 CONTROL PANEL



FEATURES

- FM Approved for Off-road Vehicles and Machines
- CE Approved
- Flexible Field Configuration
- “Plug-&-Play” Cabling
- Field Configurable (by trained, certified technicians).
- Compatible and approved for actuation devices for the EVS, DCS and LS systems

System Where Used	EVS	DCS	LS
	✓	✓	✓

The SA1 Control Panel is a stand-alone device typically used on small to medium size equipment. The SA1 allows for versatility in programming for detection, manual release, agent discharge and engine shutdown. The cabling of the SA1 utilizes Deutsch Connectors and termination, providing flexibility and ease of installation.

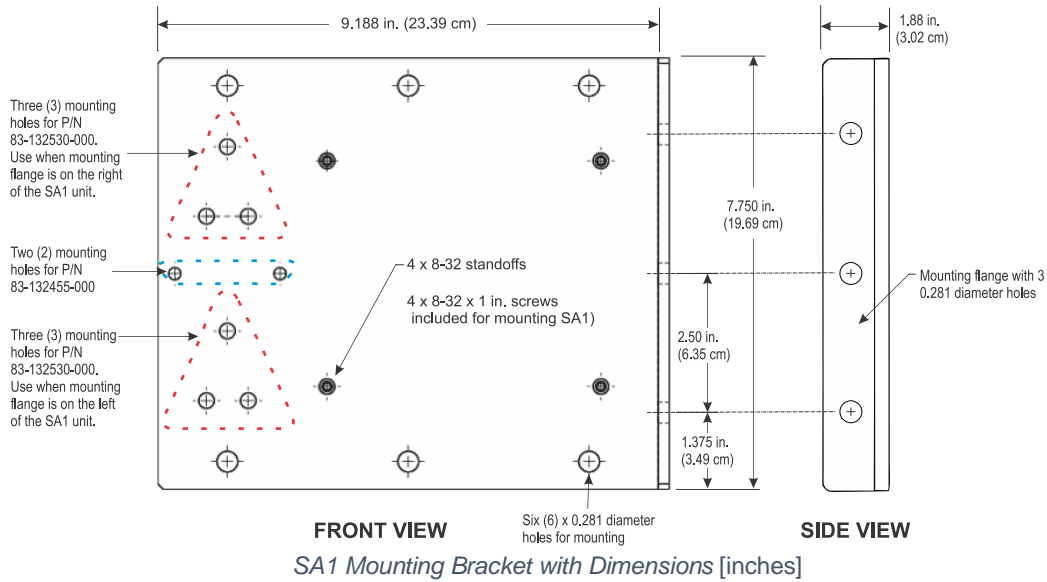
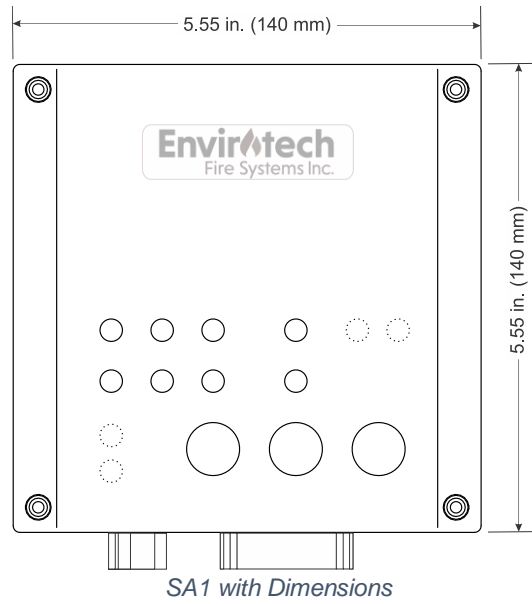
Additional features include:

- Supervision of Field Wiring
- Vehicle Powered, or Independent (Primary Cell)
- Configurable Suppression Delay
- Alarm Relay to provide auxiliary functions.
- Configurable discharge delay from zero to 60 seconds.
- Direct actuation of up to three cylinders [in series]
- Includes harness for connecting field cables and applicable end-of-line devices.
- DIOM Manual, 83-132550-000

Technical Information

Item	Technical Specification
Operating Temperature Range	-40°F [-40°C] to 158°F [70°C]
Vehicle Power Range	9 to 32 Vdc
Electrical Consumption	325 mA (max)
Enclosure Rating	NEMA 4X / IP66
Alarm Relay contact (remains energized until panel is reset)	30Vdc @ 2A, Form “C”

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PRODUCT INFORMATION

Description	Part Number	Data Sheet				
SA1 Control Panel Assembly (ships without power supply)	83-132400-000	EFS-42-2110	System Where Used	EVS ✓	DCS ✓	LS ✓
Power Input PCB, Vehicle Power, SA-1 [order separately]	83-132400-200	EFS-42-2112	Where Used	SA1 ✓	NET ✗	
SA1 Distribution Extension Harnesses	83-132486-xxx	EFS-42-2325	Where Used	SA1 ✓	NET ✗	
Power Harness, SA1	83-132481-xxx	EFS-42-2320	Where Used	SA1 ✓	NET ✗	
Primary Cell (1-Year) Power Supply, SA1 [order separately]	83-132400-100	EFS-42-2113	Where Used	SA1 ✓	NET ✗	
Bracket, SA1 & Electric Manual Release or Remote System Actuator Mount	83-130034-400	EFS-42-2111	Where Used	SA1 ✓	NET ✗	
RELATED PRODUCT INFORMATION						
Battery, Rechargeable, 1 hour Supply	83-132400-250	EFS-42-2170	Where Used	SA1 ✓	NET ✓	
Cables and Harnesses	Various	EFS-42-2300 series	Where Used	SA1 ✓	NET ✓	
End of Line Devices and Blanking Plugs	Various	EFS-42-2380	Where Used	SA1 ✓	NET ✓	
Dual Spectrum Infrared Detector, IR-1A	83-132700-000	EFS-42-2210	Where Used	SA1 ✓	NET ✓	
LHS Cable, 100 Meters Reel (328 Feet), 350-degree F	83-100003-001	EFS-42-2220	Where Used	SA1 ✓	NET ✓	
Base, LHS Cable	83-132454-000	EFS-42-2225	Where Used	SA1 ✓	NET ✓	
EVS Detect-A-Fire (Fenwal Unit)	83-132440-xxx	EFS-42-2230	Where Used	SA1 ✓	NET ✓	
Remote Electric Manual Release	83-132455-000	EFS-42-2450	Where Used	SA1 ✓	NET ✓	
Remote System Actuator (RSA) w/o protractor	83-132514-000	EFS-42-2420	Where Used	SA1 ✓	NET ✓	
EVS Electric Actuator [direct cylinder activation]	42-002089-001	EFS-42-2470	Where Used	SA1 ✓	NET ✓	
Electric Actuator, Sentinel, RSA	83-132500-500					
Actuation Monitor Switch (w/o EOL), with Dual Leads (Replaces 83-132510-525)	42-990132-510	EFS-42-2520	Where Used	SA1 ✓	NET ✓	
Maintenance Bypass Switch	83-132483-500	EFS-42-2360	Where Used	SA1 ✓	NET ✓	

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