

Engine Shutdown Systems

Product Description

Compressed gas suppressants such as HFC-227ea will not stall a diesel engine. If a fire breaks out aboard a diesel powered vessel, the engine(s) must be shut down immediately for the Fireboy fire extinguisher system to effectively extinguish the fire. Continued engine operation may remove the agent, lowering the concentration required to effectively extinguish the fire, making an Engine Shutdown System necessary.



ESC Series

Featuring an ISO 54 enclosure, internal terminals, heyco wire connectors, and a see-through circuit board mounted L.E.D.s, which indicate circuit board and Fireboy extinguisher status, or that a fault condition exists. Non-energized relays. A combination of models including 6, 8, and 10 circuits. Select from a combination of relays; 30 amp (operating range 100mA to 30 amp), 10amp (operating range 100mA to 10 amp) and 2 amp gold plated relays (operating range 10uA to 2 amps.)

All ESC models operate on multi-voltage 12/24/32 VDC

All models come with a square, water resistant membrane touch switch featuring dimmable L.E.D.s for the helm station with override function.

Note: The display unit in these systems replaces the lamp and escutcheon plate provided with each Fireboy pre-engineered extinguisher system.



ELS Series

Developed to address low current, electronically controlled engines. Featuring sealed relays with gold-plated contacts and guaranteed to operate in all electronic engine applications. Engine circuit relays feature an operating range of 10uA to 2 amps. Auxiliary relays have an operating range of 100 mA to 10 amps for the shutdown of generators, dampers, louvers, and other types of related engine room equipment. ELS models are 12/24/32 VDC compatible with a round or square display.



Replacement Engine Shutdown Display

A replacement display is available to provide audible alarm and system charge status with manual override switch in another location. Compatible with all Fireboy Engine Shutdown Systems. Round: DU-1002-01D; square: DU-1002-02D



ES Series

3 model series are available for shutting down up to 8 circuits with engine circuit relays featuring an operating range of 100 mA to 10 amps at 12 VDC unless otherwise noted. The 5000 and 8000 series are available with a 15-second delay for GM diesels. Each system comes with a round or square helm station display with integrated audible alarm, charged/discharged status lights, and manual override switch necessary for restart. 12 VDC or 24/32 VDC models are available.



Wire Harness for Helm Station Display

For all engine shutdown systems, this wire harness is available for wiring the engine shutdown helm station display to the engine shutdown relay box. The plug-together insulated connectors allow for easy installation. 30': B-2174-30; 10': B-2174-10

ENGINE SHUTDOWN SYSTEM SELECTION CHART

Model Number	Product Description	Relay Ratings			15 Second Timer	Helm Display	
		2A	10A	30A		Round	Square
Three Circuit Engine Shutdown Systems							
ES-3000-01	3 Circuit 12 VDC Engine Shutdown System		3			x	
ES-3000-02	3 Circuit 12 VDC Engine Shutdown System		3	1			x
ES-3000-30S	3 Circuit 12 VDC Engine Shutdown System with 1-30A relay		2			x	
ES-3000-V	3 Circuit 12 VDC Engine Shutdown System - Volvo		3			x	
ES-3000-01-24V	3 Circuit 12/24/32 VDC Engine Shutdown System		3			x	
ES-3000-02-24V	3 Circuit 12/24/32 VDC Engine Shutdown System		3				x
ELS-3510-01	3 Circuit 12/24/32 VDC Engine Shutdown System with 2-2A gold plated relays	2	1			x	
ELS-3510-02	3 Circuit 12/24/32 VDC Engine Shutdown System 2-2A gold plated relays	2	1				x
Five Circuit Shutdown Systems							
ES-5000-01	5 Circuit 12 VDC Engine Shutdown System		5			X	
ES-5015-01	5 Circuit 12 VDC Engine Shutdown System with 15 second time delay		5		X	X	
ES-5000-02	5 Circuit 12 VDC Engine Shutdown System		5				X
ES-5015-02	5 Circuit 12 VDC Engine Shutdown System with 15 second time delay		5		X		
ES-5000-V	5 Circuit 12 VDC Engine Shutdown System - Volvo		5			X	
ES-5000-30P	5 Circuit 12/24/32 VDC Engine Shutdown System with 1-30A relay		4	1		X	
ES-5000-30S	5 Circuit 12/24/32 VDC Engine Shutdown System with 2-30A relay		3	2		X	
ES-5000-01-24V	5 Circuit 12/24/32 VDC Engine Shutdown System		5			X	
ES-5015-01-24V	5 Circuit 12/24/32 VDC Engine Shutdown System with 15 second time delay		5		X	X	
ES-5000-02-24V	5 Circuit 12/24/32 VDC Engine Shutdown System		5				X
ES-5015-02-24V	5 Circuit 12/24/32 VDC Engine Shutdown System with 15 second time delay		5		X		X
ES-5000-01-24V-30S	5 Circuit 12/24/32 VDC Engine Shutdown System with 2-30A relay		3	2		X	
ES-5000-30P-24V	5 Circuit 12/24/32 VDC Engine Shutdown System with 1-30A relay		4	1		X	
ELS-5510-01	5 Circuit 12/24/32 VDC Engine Shutdown System with 2-2A gold plated relays	2	3			X	
ELS-5510-02	5 Circuit 12/24/32 VDC Engine Shutdown System with 2-2A gold plated relays	2	3				X
Six Circuit Engine Shutdown Systems with internal wiring connections and a water resistant display							
ESC-0604-04D	6 Circuit 12/24/32 VDC Engine Shutdown System	4		2			X
ESC-0622-04D	6 Circuit 12/24/32 VDC Engine Shutdown System	2	2	2			X
ESC-0640-04D	6 Circuit 12/24/32 VDC Engine Shutdown System		4	2			X
Eight Circuit Engine Shutdown Systems							
ES-8000-01	8 Circuit 12 VDC Engine Shutdown System		8			X	
ES-8000-02	8 Circuit 12 VDC Engine Shutdown System		8				X
ES-8015-01	8 Circuit 12 VDC Engine Shutdown System		8		X	X	
ES-8015-02	8 Circuit 12 VDC Engine Shutdown System		8		X		X
ES-8000-30S	8 Circuit 12 VDC Engine Shutdown System		6	2		X	
ES-8000-02-30S	8 Circuit 12 VDC Engine Shutdown System		6	2			X
ES-8000-01-24V	8 Circuit 12/24/32 VDC Engine Shutdown System		8			X	
ES-8015-01-24V	8 Circuit 12/24/32 VDC Engine Shutdown System		8		X	X	
ES-8000-02-24V	8 Circuit 12/24/32 VDC Engine Shutdown System		8				X
ES-8015-02-24V	8 Circuit 12/24/32 VDC Engine Shutdown System		8		X		X
ES-8000-01-24V-30S	8 Circuit 12/24/32 VDC Engine Shutdown System		6	2		X	
ELS-8510-01	8 Circuit 12/24/32 VDC Engine Shutdown	2	6			X	
ELS-8510-02	8 Circuit 12/24/32 VDC Engine Shutdown	2	6				X
Eight Circuit Engine Shutdown System with internal wiring connections and a water resistant display							
ESC-0806-04D	8 Circuit 12/24/32 VDC Engine Shutdown	6		2			X
ESC-0824-04D	8 Circuit 12/24/32 VDC Engine Shutdown	4	2	2			X
ESC-0824-04D	8 Circuit 12/24/32 VDC Engine Shutdown	2	4	2			X
ESC0860-04D	8 Circuit 12/24/32 VDC Engine Shutdown		6	2			X
Ten Circuit Engine Shutdown Systems with internal wiring connections and a water resistant display							
ESC-1044-04D	10 Circuit 12/24/32 VDC Engine Shutdown	4	4	2			X
ESC-1062-04D	10 Circuit 12/24/32 VDC Engine Shutdown	2	6	2			X
ESC-1080-04D	10 Circuit 12/24/32 VDC Engine Shutdown		8	2			X

DATA SHEET

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