



# Engine Shutdown Systems

## Required for Suppression Systems in Protected Spaces with Diesel Engines

### ESC, ELS and ES Series

Compressed gas suppressants such as HFC-227ea and 3M™ Novec™ 1230 Fire Protection Fluid will not stall a diesel engine. If a fire breaks out aboard a diesel powered vessel, the engine(s) must be shut down prior or during the discharge of the Fireboy suppression 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, fuses, internal terminals, Heyco™ wire connectors, and a see-through cover to easily observe the circuit board mounted LEDs, 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.

- 30 amp (operating range 100 mA to 30 amp)
- 10 amp (operating range 100 mA to 10 amp)
- 2 amp gold-plated relays (operating range 10 μA to 2 amps)

**All ESC models operate on 12 or 24 VDC.**

All models come with a square, water resistant membrane touch display featuring dimmable LEDs for the helm station with override function. Includes DU-SBH-20 square display. See back.

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



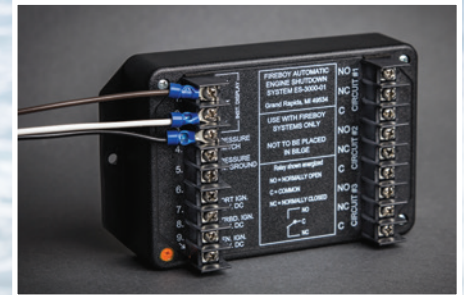
#### ELS SERIES

Designed for 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 10 μA 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 or 24 VDC compatible with a round (DU-RBH-20) or square (DU-SBH-20) display.



#### WIRE HARNESS EXTENSION FOR HELM DISPLAY

For all engine shutdown systems, this wire harness extension is available for extending the cable between the engine shutdown helm display and the relay box. The insulated connectors allow for easy installation. 30 ft cable: B-2174-30 or 10 ft cable: B-2174-10



#### ES SERIES

Three models are available for shutting down up to 8 circuits with 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 (DU-RBH-20) or square (DU-SBH-20) helm station display with integrated audible alarm, "Charged/Discharged" status lights, and manual override switch necessary for engine re-start. 12 or 24 VDC models are available.

# ENGINE SHUTDOWN SYSTEM SELECTION CHART

MODEL NUMBER	PRODUCT DESCRIPTION	RELAY RATINGS			15 SECOND TIMER	HELM DISPLAY	
		2A	10A	30A		ROUND DU-RBH-20	SQUARE DU-SBH-20
<b>Three Circuit Engine Shutdown Systems</b>							
ES-3000-01	3 Circuit 12 VDC Engine Shutdown System		3			X	
ES-3000-02	3 Circuit 12 VDC Engine Shutdown System		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-3510-02	3 Circuit 12/24/32 VDC Engine Shutdown System with 2-2A gold plated relays	2	1				X
<b>Five Circuit Engine Shutdown Systems</b>							
ES-5000-01	5 Circuit 12 VDC Engine Shutdown System		5			X	
ES-5000-02	5 Circuit 12 VDC Engine Shutdown System		5				X
ES-5000-01-24V	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
<b>Six Circuit Engine Shutdown Systems with fused internal wiring connections and a water resistant display</b>							
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
<b>Eight Circuit Engine Shutdown Systems</b>							
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-8015-02	8 Circuit 12 VDC Engine Shutdown System with 15 second time delay		8		X	X	
ES-8000-01-24V	8 Circuit 12/24/32 VDC Engine Shutdown System		8			X	
ES-8000-02-24V	8 Circuit 12/24/32 VDC Engine Shutdown System		8			X	
<b>Eight Circuit Engine Shutdown Systems with fused internal wiring connections and a water resistant display</b>							
ESC-0806-04D	8 Circuit 12/24/32 VDC Engine Shutdown System	6		2			X
ESC-0824-04D	8 Circuit 12/24/32 VDC Engine Shutdown System	4	2	2			X
ESC-0842-04D	8 Circuit 12/24/32 VDC Engine Shutdown System	2	4	2			X
ESC-0860-04D	8 Circuit 12/24/32 VDC Engine Shutdown System		6	2			X
<b>Ten Circuit Engine Shutdown Systems with fused internal wiring connections and a water resistant display</b>							
ESC-1044-04D	10 Circuit 12/24/32 VDC Engine Shutdown System	4	4	2			X
ESC-1062-04D	10 Circuit 12/24/32 VDC Engine Shutdown System	2	6	2			X
ESC-1080-04D	10 Circuit 12/24/32 VDC Engine Shutdown System		8	2			X



## DU-SBH-20:

Deluxe Helm Display, Membrane Switch, Remote Horn, LED Display, Square Only. Includes 3 ft cable.



## DU-RBH-20:

Deluxe Helm Display with Gauge Body, LED and color graphics. Includes 3 ft cable.



## DU-SBH-21:

Deluxe Helm Display, 2 Systems: Control Primary, Monitor Secondary. Remote Horn, LED Display, Square Only. Includes 3 ft cable.

**FIREBOY - XINTEX**  
A Darley Company  
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Fireboy-Xintex is ISO 9001 Certified QMS

### Approvals & Certifications

All Fireboy CG2/MA2 models are approved by Factory Mutual, U.S.C.G., RINA (ISO 9094 (2015)) and are CE certified (B.V.)

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