

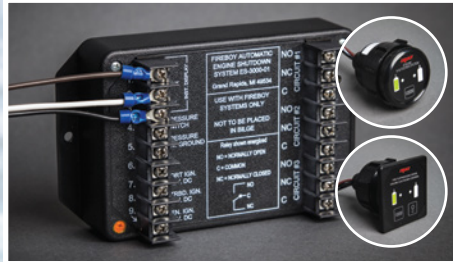


# Engine Shutdown Systems

Required for Suppression Systems in Protected Spaces with Diesel Engines

ESC, ELS and ES Series

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 to 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.

- 15 amp (operating range 100 mA to 20 amp)
- 2 amp gold-plated relays (operating range 10  $\mu$ A to 2 amps)

All ESC models operate on 9, 12, 24, or 32V DC. All models are available with a square, water resistant display featuring dimmable LEDs for the helm station with override function. Includes DU-SBH-20 square display and 3 ft cable. 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  $\mu$ A to 2 amps. Auxiliary relays have an operating range of 200 mA to 20 amps for the shutdown of generators, dampers, louvers, and other types of related engine room equipment.

All ELS models operate on 12 or 24V DC. All models are available with a round (DU-RBH-20) or square (DU-SBH-20) water resistant display. Includes 3 ft cable.



## 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 200 mA to 20 amps at 12V DC unless otherwise noted. The 5000 and 8000 series are available with a 15-second delay for GM™ diesels.

All ES models operate on 12 or 24V DC. All models are available with a round (DU-RBH-20) or square (DU-SBH-20) water resistant display with integrated audible alarm, "Charged/Discharged" status lights, and manual override switch necessary for engine re-start. Includes 3 ft cable.



**FIREBOY® - XINTEX®**  
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Grand Rapids, Michigan / Poole, England

# ENGINE SHUTDOWN SYSTEM SELECTION CHART

MODEL NUMBER	PRODUCT DESCRIPTION	RELAY RATINGS			15 SECOND TIMER	HELM DISPLAY	
		2A	15A	20A		ROUND DU-RBH-20	SQUARE DU-SBH-20
<b>Three Circuit Engine Shutdown Systems with a water resistant display - 12/24V DC</b>							
ES-3000-01	3 Circuit Engine Shutdown System			3		X	
ES-3000-02	3 Circuit Engine Shutdown System			3			X
ELS-3510-01	3 Circuit Engine Shutdown System with 2-2A gold plated relays	2		1		X	
ELS-3510-02	3 Circuit Engine Shutdown System with 2-2A gold plated relays	2		1			X
<b>Five Circuit Engine Shutdown Systems with a water resistant display - 12/24V DC</b>							
ES-5000-01	5 Circuit Engine Shutdown System			5		X	
ES-5000-02	5 Circuit Engine Shutdown System			5			X
ES-5015-02	5 Circuit Engine Shutdown System with 15 second time delay			5	X		X
ELS-5510-01	5 Circuit Engine Shutdown System	2		3		X	
ELS-5510-02	5 Circuit Engine Shutdown System	2		3			X
<b>Six Circuit Engine Shutdown Systems with fused internal wiring connections and a water resistant display - 9/12/24/32V DC</b>							
ESC-0604-04D	6 Circuit Engine Shutdown System	4	2				X
ESC-0622-04D	6 Circuit Engine Shutdown System	2	4				X
ESC-0640-04D	6 Circuit Engine Shutdown System		6				X
<b>Eight Circuit Engine Shutdown Systems with a water resistant display - 12/24V DC</b>							
ES-8000-01	8 Circuit Engine Shutdown System			8		X	
ES-8000-02	8 Circuit Engine Shutdown System			8			X
ES-8015-02	8 Circuit Engine Shutdown System with 15 second time delay			8	X		X
ELS-8510-01	8 Circuit Engine Shutdown System	2		6		X	
ELS-8510-02	8 Circuit Engine Shutdown System	2		6			X
<b>Eight Circuit Engine Shutdown Systems with fused internal wiring connections and a water resistant display - 9/12/24/32V DC</b>							
ESC-0806-04D	8 Circuit Engine Shutdown System	6	2				X
ESC-0824-04D	8 Circuit Engine Shutdown System	4	4				X
ESC-0842-04D	8 Circuit Engine Shutdown System	2	6				X
ESC-0860-04D	8 Circuit Engine Shutdown System		8				X
<b>Ten Circuit Engine Shutdown Systems with fused internal wiring connections and a water resistant display - 9/12/24/32V DC</b>							
ESC-1044-04D	10 Circuit Engine Shutdown System	4	6				X
ESC-1062-04D	10 Circuit Engine Shutdown System	2	8				X
ESC-1080-04D	10 Circuit Engine Shutdown System		10				X



## DU-RBH-20:

Deluxe Water Resistant Helm Display, Membrane Switch, Horn, LED Display, Round



## DU-SBH-20:

Deluxe Water Resistant Helm Display, Membrane Switch, Horn, LED Display, Square



## DU-SBH-21:

Deluxe Water Resistant Helm Display for Two Systems: Override Function Primary, Monitor Only Secondary, Horn, LED Display, Square

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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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