



**UNITED
SAFETY**
& SURVIVABILITY
CORPORATION™

FIREBOY®

ON BOARD. ON GUARD.

CMD6 CO ALARM

**PREVENT CARBON MONOXIDE POISONING
MARINE APPLICATIONS**



PRODUCT FEATURES

- **New sensor technology:**
Electrochemical sensor – immediate and stable sensing reduces false alarms,
- **Ultra-low current draw <4 mA**
- **Long sensor life – approx. 7 year end-of-life (EOL)**
- **Compact design for inconspicuous protection:** *Modern design blends in with interior decor*
- **Battery operated version requires no power wiring:** *Reduced labor and material costs to install maintenance-free lithium-metal batteries*
- **Internal relay available for generator shutdown and external signal**
- **Interconnect multiple CMD6 CO alarms:** *All connected CMD6-MxR alarms sound together*
- **Battery backup on 12/24V DC unit**

PRODUCT OVERVIEW

CMD6 CO ALARM

CARBON MONOXIDE ALARM WITH NEW SENSOR TECHNOLOGY

	BATTERY POWER	BATTERY POWER RELAY/INTERCONNECT	12/24V DC POWER	12/24V DC POWER RELAY/INTERCONNECT
Marine CO Alarm, White	CMD6-MB	CMD6-MBR	CMD6-MD	CMD6-MDR
Marine CO Alarm, Black	CMD6-MB-B	CMD6-MBR-B	CMD6-MD-B	CMD6-MDR-B
Marine Applications	Yes			
End-of-Life (EOL)	Approximately 7 years			
Power Usage @ 12V DC	None	None	<4 mA	<4 mA
Alarm Point	10% COHb			
Multiple Alarm Connections	No	Yes	No	Yes
Alarm Horn	85 dBA			
CMD6 Dimensions (L x W x H)	3.5 in x 3.5 in x 1.21 in 89 mm x 89 mm x 31 mm			
Batteries	Lithium-Metal		Lithium-Metal Back-Up	
Optional Internal Relay for Generator Shutdown or External Signal	N/A	-"xBR"	N/A	-"xDR"
Warranty	One (1) year limited warranty material and workmanship			

The CMD6 CO Alarm is tested to UL2034 Marine but not OSHA rated

QUALITY AND RELIABILITY ON BOARD

- Microprocessor controlled
- Conformal coated circuit board for added protection
- Time-weighted average CO measurement process constantly monitors all CO levels
- Highly resistant to most chemicals, solvents, and cleaners

GLOBAL SUPPLIER OF SAFETY PRODUCTS

Provides a variety of reliable fire detection and fire suppression products in addition to gas detection and control systems.

Pre-engineered and custom engineered fire suppression systems are available.

Due to our ongoing process of continuing improvements, specifications and features may change without notice.



**THE ONLY BATTERY-POWERED
UL 2034 MARINE APPROVED
DETECTOR ON THE MARKET!**

PRODUCT OVERVIEW

CMD6 CO ALARM

HOW THE CMD6 CO ALARM WORKS

The CMD6 CO Alarm uses a sensor operating with a microprocessor to measure Carbon Monoxide (CO) levels. Using a "Time-Weighted Average" (TWA) process, it monitors CO concentration, temperature and time to calculate levels of Carboxyhemoglobin (COHb). COHb is the degree to which the oxygen carrying capacity of the blood is impeded by the union of carbon monoxide to the hemoglobin and is expressed as a percentage. The human body absorbs CO easier than oxygen and COHb is the ratio of absorbed carbon monoxide to oxygen in the bloodstream. The CMD6-M alarm calculates this COHb as a function of time and determines the appropriate alarm response.

RECOMMENDED CARBON MONOXIDE DETECTOR INSTALLATION

A carbon monoxide detector should be installed in each accommodation space. Small crafts with an open design may require only one detector for adequate protection. If two or more sleeping areas or spaces are partitioned then one detector should be installed in each of the spaces.

ABYC A-24 SECTION 24.4.5

Enclosed accommodation compartment – one contiguous space, surrounded by permanent structure that contains all the following:

- Designated sleeping accommodations
- Galley area with sink
- Head compartment

