



## Marine Carbon Monoxide Alarm

**CMD6-MB** (Marine, Battery)

**CMD6-MB-B** (Marine, Battery, Black Housing)

**CMD6-MBR** (Marine, Battery, Interconnect, Relay)

**CMD6-MBR-B** (Marine, Battery, Interconnect, Relay, Black Housing)

**CMD6-MD** (Marine, 12/24V DC)

**CMD6-MD-B** (Marine, 12/24V DC, Black Housing)

**CMD6-MDR** (Marine, 12/24V DC, Interconnect, Relay)

**CMD6-MDR-B** (Marine, 12/24V DC, Interconnect, Relay, Black Housing)

Owner's Manual  
&  
Installation Instructions

Tested by ETL to UL STD 2034 Marine, 4<sup>th</sup> Edition

Read and comply with all instructions, warnings and limitations before  
installing, servicing or removing this device.

Additional copies of this manual are available at no charge by contacting the manufacturer, distributor or dealer. Fireboy-Xintex reserves the right to change features without notice.

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## General Information

### **DANGER:**

ACTUATION OF THIS DEVICE INDICATES THE PRESENCE OF CARBON MONOXIDE (CO) WHICH CAN BE FATAL. THE SOURCE OF THE CO MAY BE AN APPLIANCE SUCH AS A FURNACE, A WOOD BURNING STOVE, A VEHICLE, A GENERATOR, OR OTHER COMBUSTION SOURCE. EVACUATE THE PREMISES IMMEDIATELY. CHECK THAT ALL PERSONS ARE ACCOUNTED FOR. CALL THE NEAREST FIRE DEPARTMENT AND ASK THEM TO DETERMINE THE SOURCE OF CARBON MONOXIDE. DO NOT REENTER PREMISES UNTIL IT HAS BEEN AIRED OUT AND THE PROBLEM IS CORRECTED!

### **WARNING:**

TO REDUCE THE RISK OF CARBON MONOXIDE POISONING, TEST ALARM OPERATION WHEN NOT IN USE FOR 10 DAYS OR MORE.

THIS CARBON MONOXIDE ALARM IS DESIGNED TO DETECT CARBON MONOXIDE (CO) GAS FROM ANY SOURCE OF COMBUSTION. IT IS NOT DESIGNED TO DETECT SMOKE, FIRE OR ANY OTHER GAS, UNLESS THE PRODUCT HAS BEEN INVESTIGATED AND DETERMINED TO COMPLY WITH THE APPLICABLE REQUIREMENTS.

THIS DEVICE IS DESIGNED TO PROTECT INDIVIDUALS FROM THE ACUTE EFFECTS OF CARBON MONOXIDE EXPOSURE. IT WILL NOT FULLY SAFEGUARD INDIVIDUALS WITH SPECIFIC MEDICAL CONDITIONS. IF IN DOUBT CONSULT A MEDICAL PRACTITIONER.

ANY PERSON WITH MEDICAL PROBLEMS MAY CONSIDER USING WARNING DEVICES THAT PROVIDE AUDIBLE AND VISUAL SIGNALS FOR CARBON MONOXIDE CONCENTRATIONS LESS THAN 30 PPM.

### **CAUTION:**

INSTALLATION SHALL BE DONE BY QUALIFIED PERSONNEL AUTHORIZED TO DO SO BY THE AUTHORITIES HAVING JURISDICTION FOR THE PARTICULAR APPLICATION IN WHICH THE PRODUCT IS BEING USED. ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH APPLICABLE CODES. IMPROPER WIRING MAY RENDER THE UNIT INOPERABLE, DAMAGE COMPONENTS, OR CAUSE A FIRE, AND WILL VOID ALL WARRANTIES.

TO FUNCTION AS INTENDED, THE CO ALARM MUST BE CONNECTED TO A CORRECT POWER SOURCE, AND FOR MAXIMUM EFFECTIVENESS, BE POWERED AT ALL TIMES.

THIS DEVICE SHALL NOT BE INSTALLED OR USED IN AIRCRAFT AND/OR RACING VEHICLES. FIREBOY-XINTEX RESERVES THE RIGHT TO CHANGE FEATURES WITHOUT NOTICE.

THIS ALARM WILL ONLY INDICATE THE PRESENCE OF CARBON MONOXIDE GAS AT THE SENSOR. CARBON MONOXIDE GAS MAY BE PRESENT IN OTHER AREAS.

**CAUTION:**

THERE ARE NO USER OR FIELD SERVICEABLE PARTS IN THIS PRODUCT. THE CO ALARM MUST BE RETURNED TO THE MANUFACTURER FOR ANY REPAIR OR PERFORMANCE CHECKS.

THIS PRODUCT IS NOT INTENDED FOR USE IN ORDINARY OUTDOOR LOCATIONS OF FAMILY LIVING UNITS. IT IS NOT DESIGNED TO COMPLY WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) COMMERCIAL OR INDUSTRIAL STANDARDS.

**NOTE:**

**STOP - BATTERY IS NOT REMOVABLE!!** REMOVING BATTERY WILL VOID WARRANTY.

**Carbon Monoxide (CO) – “The Silent Killer”**

A by-product of combustion, carbon monoxide is invisible, tasteless, odorless, and is produced by all engines, heating and cooking appliances. The most common sources of CO on boats are gasoline engines, auxiliary generators and propane heating or cooking devices. All of these produce large amounts of CO and should never be operated while occupants are sleeping. A slight build-up of carbon monoxide in the human body over several hours causes headaches, nausea and other symptoms similar to food poisoning, motion sickness or the flu. High concentrations can be fatal within minutes. The following symptoms are related to CARBON MONOXIDE POISONING and should be discussed with ALL passengers:

- Mild exposure: Slight headache, nausea, vomiting and fatigue (often described as “Flu like symptoms”).
- Medium exposure: Severe throbbing headache, drowsiness, confusion, and fast heart rate.
- Extreme exposure: Unconsciousness, convulsions, cardio-respiratory failure, and death.
- Many cases of reported CARBON MONOXIDE POISONING indicate that while victims are aware that they are not well, they become so disoriented they are unable to save themselves by either exiting the location or calling for assistance. Also, young children and pets may be the first affected. SEE TABLE 1.

Information on conditions which can result in transient CO situations, such as:

- Excessive spillage or reverse venting of fuel burning appliances caused by outdoor ambient conditions, such as:
  - Wind direction and/or velocity, including high gusts of wind. Heavy air in the vent pipes (cold/humid air with extended periods between cycles).
  - Negative pressure differential resulting from the use of exhaust fans.
  - Simultaneous operation of several fuel burning appliances competing for limited internal air.
  - Vent pipe connections vibrating loose from clothes dryers, furnaces or water heaters.
  - Obstructions in or unconventional vent pipe designs which can amplify the above situations.
- Extended operation of un-vented fuel burning devices (range, oven, etc.).
- Temperature inversions that can trap exhaust gases near the ground.

Drug or alcohol use increases the effect of CO exposure. Individuals with cardiac or respiratory conditions are very susceptible to the dangers of carbon monoxide. CO poisoning is especially dangerous during sleep when victims are unaware of any side effects. The following are symptoms that may signal exposure to CO:

- |  |                               |
|--|-------------------------------|
| • Headache                               | • Drowsiness                  |
| • Tightness of chest or hyperventilation | • Fatigue or Weakness         |
| • Flushed face                           | • Inattention or Confusion    |
| • Nausea                                 | • Lack of normal coordination |

Persons who have been exposed to carbon monoxide should be moved into fresh air immediately. Persons who have been subjected to high concentrations of CO should be placed in the care of a physician. To learn more about CO poisoning, contact your local health authorities.

### Where Must We Guard Against Carbon Monoxide?

Carbon monoxide is a by-product of combustion. CO exists wherever fuels are burned to generate power or heat. Boats may utilize propane or compressed gas for cooking and/or heating. Boats have the added hazard of an auxiliary power generator where exhaust fumes may drift into the vessel. This hazard may also be created by a neighboring boat's exhaust fumes circulating into the cabin. The "station wagon effect", is another hazard that is caused by exhaust fumes that are captured via a rear opening while underway.

### Boat Hazards

Boats that are underway should close all aft portholes and open a forward hatch, which may lend to pressurize the living spaces within the boat. As in RV's, no sleeping, particularly in aft cabins, should be permitted while underway. Occupants of the "bridge" should also maintain proper ventilation by opening a forward window or windshield to drive "station wagon" effect fumes away from the occupants. Extreme caution must be taken while at anchor or in a slip while an auxiliary power generator is operating. Wind still nights can easily allow fumes to enter the boat. Inspect the exhaust systems of propulsion and auxiliary generators frequently for possible leaks. High concentrations of CO in your boat may originate from an adjacent boat. Exhaust fumes from nearby boats may enter your boat through open hatches or windows.

### Features of the CMD6 Marine Series

The CO Alarm is designed to meet applicable marine standards. The CO Alarm is tested by ETL to meet UL 2034 Marine requirements.

The CO Alarm conducts a self-diagnosis of critical components every 180 seconds. Should a major component fail, the CO Alarm will enter a fault mode. Both audible and visual warning indicators are activated.

The CO Alarm circuit board is sealed against moisture and corrosion to withstand the harshest environments and ensure durability.

### Features of the CMD6-Marine Interconnect-Relay Series

In addition, the CMD6-MBR, CMD6-MDR, CMD6-MBR-B & CMD6-MDR-B are designed to interconnect with units of the same power source as well as interact with equipment on the vessel. If a unit senses CO at an alarm level, it will communicate with the interconnected units and send them into alarm and open a normally closed (NC) relay on the alarming unit, which will force the equipment to shut down. The unit that senses CO will have a distinct LED pattern compared to the interconnected units. The CMD6 Marine Interconnect-Relay Series are designed to connect to a maximum of ten interconnected devices and to accommodate a maximum current of 1 Amp, 32V DC.

### Limitations

- This carbon monoxide alarm is designed to detect carbon monoxide gas from ANY source of combustion. It is NOT designed to detect smoke, fire or any other gas.
- The CO Alarm will not detect carbon monoxide that is not in the vicinity of the alarm. Carbon monoxide in other rooms or areas will not be detected. Alarms mounted near obstructions or in 'dead' air spaces will not detect carbon monoxide.
- The CO Alarm does not guarantee or imply that CO poisoning will not occur. Do NOT use the CO Alarm as a replacement for ordinary precautions or periodic inspections of equipment. NEVER rely on alarm systems to save your life, common sense is still prudent and necessary.
- The audible horn on the CO Alarm meets UL STD 2034 Marine requirements; however, the horn may not be heard in remote areas.
- The nature of an alarm system is to produce an irritating and loud noise. The audible signal of the CO Alarm may shock or startle persons near the alarm. Hearing damage can occur if prolonged exposure to the audible alarm is allowed.
- All electric devices have limited life spans and may fail without warning. Inspect the CO Alarm on a periodic basis. Do NOT assume that the CO Alarm will prevent CO poisoning. It is a supplement-warning device only.

## Specifications

### System Specifications (CMD6-MB & CMD6-MB-B)

Operating/Storage Temperature: -40°F (-40°C) to 158°F (70°C)

Alarm Points: Time Weighted Average (TWA)

Alarm Horn: ≈ 85dB @3.05M

Dimensions: 3.5" (89mm) x 3.5" (89mm) x 1.25" (32mm)

Housing Material: Polyloc PA-765(ABS-FR)

### System Specifications (CMD6-MBR & CMD6-MBR-B)

Operating/Storage Temperature: -40°F (-40°C) to 158°F (70°C)

Alarm Points: Time Weighted Average (TWA)

Alarm Horn: ≈ 85dB @3.05M

Relay Output: 1A Max, 32V DC Max

Dimensions: 3.5" (89mm) x 3.5" (89mm) x 1.25" (32mm)

Housing Material: Polyloc PA-765(ABS-FR)

### System Specifications (CMD6-MD & CMD6-MD-B)

Operating Voltage: 12 or 24V DC

Maximum Voltage Range: 9-32V DC

Nominal Current Draw -40°F (-40°C) to 158°F (70°C): 6mA

Maximum Current Draw -40°F (-40°C) to 158°F (70°C): 38mA, 32V DC

Operating/Storage Temperature: -22°F (-30°C) to 158°F (70°C)

Alarm Points: Time Weighted Average (TWA)

Alarm Horn: ≈ 85dB @3.05M

Dimensions: 3.5" (89mm) x 3.5" (89mm) x 1.25" (32mm)

Housing Material: Polyloc PA-765(ABS-FR)

### System Specifications (CMD6-MDR & CMD6-MDR-B)

Operating Voltage: 12 or 24V DC

Maximum Voltage Range: 9-32V DC

Nominal Current Draw -40°F (-40°C) to 158°F (70°C): 6mA

Maximum Current Draw -40°F (-40°C) to 158°F (70°C): 38mA, 32V DC

Operating/Storage Temperature: -22°F (-30°C) to 158°F (70°C)

Alarm Points: Time Weighted Average (TWA)

Alarm Horn: ≈ 85dB @3.05M

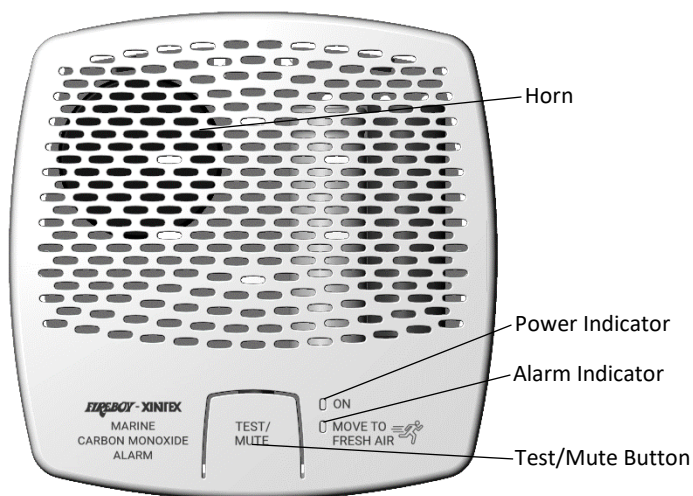
Relay Output: 1A Max, 32V DC Max

Dimensions: 3.5" (89mm) x 3.5" (89mm) x 1.25" (32mm)

Housing Material: Polyloc PA-765(ABS-FR)

Alarm Points	
70 ppm	60-240 minutes
150 ppm	10-50 minutes
400 ppm	4-15 minutes
< 40 ppm	Alarm Reset





Should a very high level of carbon monoxide exist, the CO Alarm will alarm in a few minutes. However, if small quantities of CO are present or high levels are short-lived, the micro controller will accumulate the information and determine when an alarm level has been reached. This feature eliminates nuisance alarms. For example, in a boat it is possible to see high levels of CO for a very short time such as when docking or maneuvering. The CO Alarm takes this all under consideration by totaling the quantity of CO detected over a period of time.

The CO Alarm is programmed to alarm at a COHb level of 10%. Alarm points are 70 ppm (60-240 minutes), 150 ppm (10-50 minutes), and 400 ppm (4-15 minutes). Alarm will clear when the CO level drops below 40 ppm.

The CO Alarm can be silenced during an alarm by pressing the TEST/MUTE button. When multiple CO Alarms are interconnected, each CO Alarm must be silenced individually by pressing the TEST/MUTE button.

#### Status Indicators and Explanations

SYSTEM	Green LED	Red LED	AUDIBLE
STATUS	INDICATOR	INDICATOR	HORN
Normal:	1 Flash/180 sec.	Off	Off
Alarm:	Off	1 Flash/5 sec.	4 Beeps, 5 sec. Silence
Remote Alarm:	1 Flash/5 sec.	1 Flash/5 sec.	4 Beeps, 5 sec. Silence
End of Life	Off	1 Flash/5 sec.	1 Beep/60 sec.

**CAUTION:**

THE AUDIBLE ALARM CANNOT BE CHECKED BY THE INTERNAL CIRCUITRY AND THEREFORE THE CO ALARM SHOULD BE TESTED FREQUENTLY USING THE TEST BUTTON AND VERIFYING PROPER ALARM SEQUENCES AND OPERATION.

**Normal**

The Green LED will flash once every 180 seconds (3 minutes) while in normal operation.

**Alarm**

When the CO Alarm enters alarm, the Alarm indicator begins flashing red and the horn beeps 4 times and pauses for 4-5 seconds in a repeat pattern. This indicates that the COHb level has been reached.

**WARNING:**

ACTUATION OF YOUR CO ALARM INDICATES THE PRESENCE OF CARBON MONOXIDE (CO), WHICH CAN KILL YOU. IF ALARM SOUNDS:

IF UNIT ALARMS FOLLOW THE GUIDELINES BELOW:

1. OPERATE RESET/SILENCE BUTTON
2. CALL YOUR EMERGENCY SERVICES (FIRE DEPARTMENT OR 911).
3. IMMEDIATELY MOVE TO FRESH AIR – OUTDOORS OR BY AN OPEN DOOR/WINDOW. CHECK THAT ALL PERSONS ARE PRESENT. DO NOT RE-ENTER THE PREMISES OR MOVE AWAY FROM THE OPEN DOOR/WINDOW UNTIL EMERGENCY SERVICES RESPONDERS HAVE ARRIVED, THE PREMISES HAVE BEEN AIRED OUT AND ALARM REMAINS IN ITS NORMAL CONDITION.
4. AFTER FOLLOWING STEPS 1-3, IF ALARM REACTIVATES WITHIN A 24-HOUR PERIOD, REPEAT STEPS 1-3 AND CALL A QUALIFIED APPLIANCE TECHNICIAN TO INVESTIGATE FOR SOURCES OF CO FROM FUEL BURNING EQUIPMENT AND APPLIANCES, AND INSPECT FOR PROPER OPERATION OF THE EQUIPMENT. IF PROBLEMS ARE IDENTIFIED DURING THIS INSPECTION, HAVE THE EQUIPMENT SERVICED IMMEDIATELY. NOTE ANY COMBUSTION EQUIPMENT NOT INSPECTED BY THE TECHNICIAN AND CONSULT THE MANUFACTURES' INSTRUCTIONS, OR CONTACT THE MANUFACTURERS DIRECTLY, FOR MORE INFORMATION ABOUT CO SAFETY AND THIS EQUIPMENT.

**Remote Alarm**

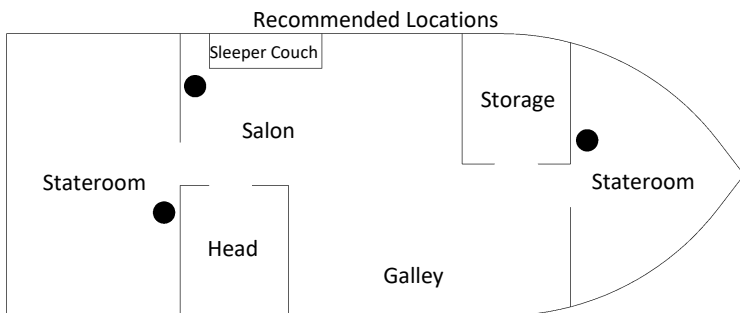
This indicates that another CO alarm that is interconnected is going into alarm. If the unit in remote alarm detects a high enough level of CO to alarm, then it will change from remote alarm to alarm in the standard alarm pattern. A remote alarm should be treated the same as a CO alarm.

**End-of-Life (EOL)**

Self-diagnostics to determine end of useful sensor life, approximately 84 months (7 years). Contact manufacturer for repair/replacement options.

## Locating a Fireboy-Xintex Carbon Monoxide Alarm

Because of the high risk of carbon monoxide injuries due to the nature of boats, it is recommended a carbon monoxide alarm be installed in the main cabin and in each sleeping area (ABYC A-24.7.2) of the enclosed accommodation compartment (ABYC A-24-4-5). Small craft with an open design may only require one CO Alarm for adequate protection. If any two sleeping areas are partitioned, then one CO Alarm should be installed in each sleeping area. Larger craft often have aft and forward cabins with convertible sofas in the saloon. These boats will require three CO Alarm monitors. Installation should be at eye level height for convenient monitoring and service. Ordinary thermostat height is adequate. Ceiling installation is also allowed.



**DO NOT** install a CO Alarm near a hatch or porthole through which water could be spilled on the device.

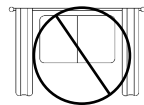
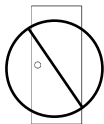
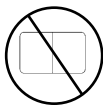
**DO NOT** install in locations where temperature, moisture, and/or ultraviolet light affect the operation.

**DO NOT** install in locations where the normal ambient temperature is below  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ) or exceeds  $70^{\circ}\text{C}$  ( $158^{\circ}\text{F}$ ).

**DO NOT** mount within 1 foot (0.3 m) of corners, a door, or other 'dead' air spaces.

**DO NOT** locate CO Alarm within 5 feet (1.5 m) of any cooking appliance or in direct airflow from air conditioning or heat vents.

**DO NOT** locate CO Alarm in close vicinity of curtains, pillows, or other obstructions.



### NOTE:

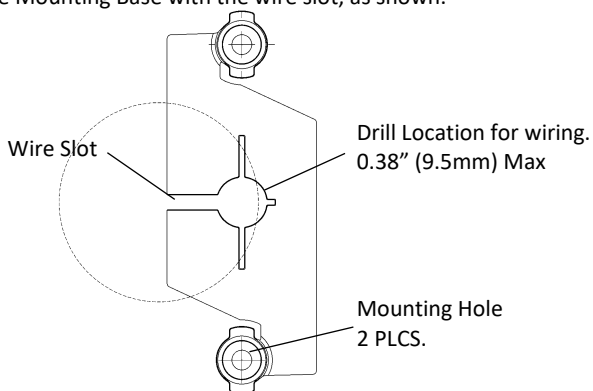
**ABYC A-24.7.2:** DETECTORS SHALL BE LOCATED TO MONITOR THE ATMOSPHERE IN THE MAIN CABIN AND EACH SLEEPING AREA.

**ABYC A-24.4.5:** ENCLOSED ACCOMODATION COMPARTMENT - ONE CONTIGIOUS SPACE, SURROUNDED BY PERMANENT STRUCTURE THAT CONTAINS ALL OF THE FOLLOWING:

- DESIGNATED SLEEPING ACCOMODATIONS
- GALLEY AREA WITH SINK
- HEAD COMPARTMENT

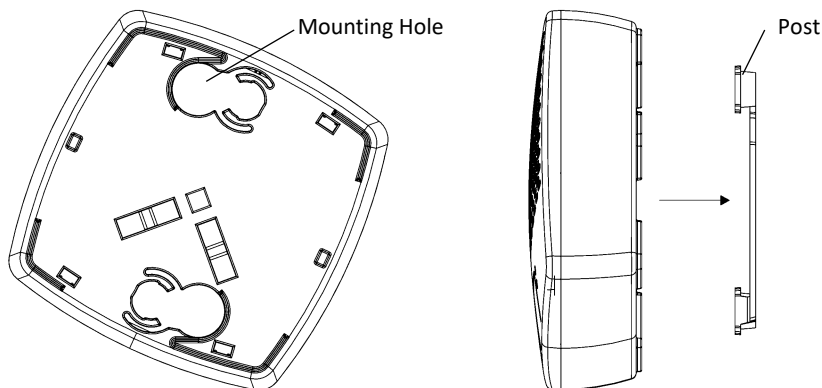
### Installing the Mounting Base

- Mounting Base should be installed vertically when installing CO Alarm on a wall.
- Use appropriate length #6, Pan Head screws to secure Mounting Base.
- Do not over-tighten.
- Drill appropriate size hole (0.38" (9.5mm) Max) for wired models to accommodate the wires. If using a connector on the wires, a larger hole may be needed. Offset the hole to the side of the Mounting Base with the wire slot, as shown.

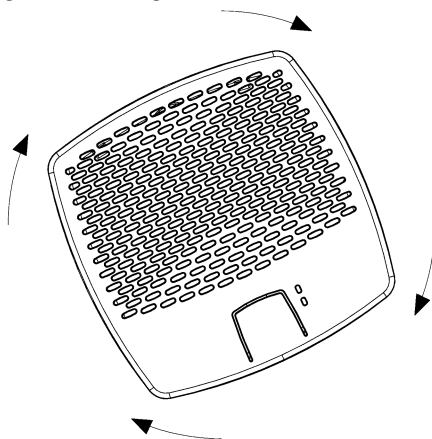


Connecting Alarm to Mounting Base

- Align Mounting holes of CO Alarm with the posts on the Mounting Base.



- Feed wires through the Mounting Base and mounting surface.
- Press CO Alarm against mounting surface and turn clockwise, approximately 25°.



**NOTE:**

A UNIT THAT HAS BEEN DEACTIVATED WILL NOT BE ABLE TO BE INSTALLED ONTO THE MOUNTING PLATE.

After installation is complete, attach one of the enclosed "Warning" stickers to the wall next to the alarm. Place the other sticker near a source of fresh air where you would gather after an alarm indicates the presence of carbon monoxide. The phone numbers of emergency services and qualified technicians, as well as the Replacement Date, should be added to both stickers.

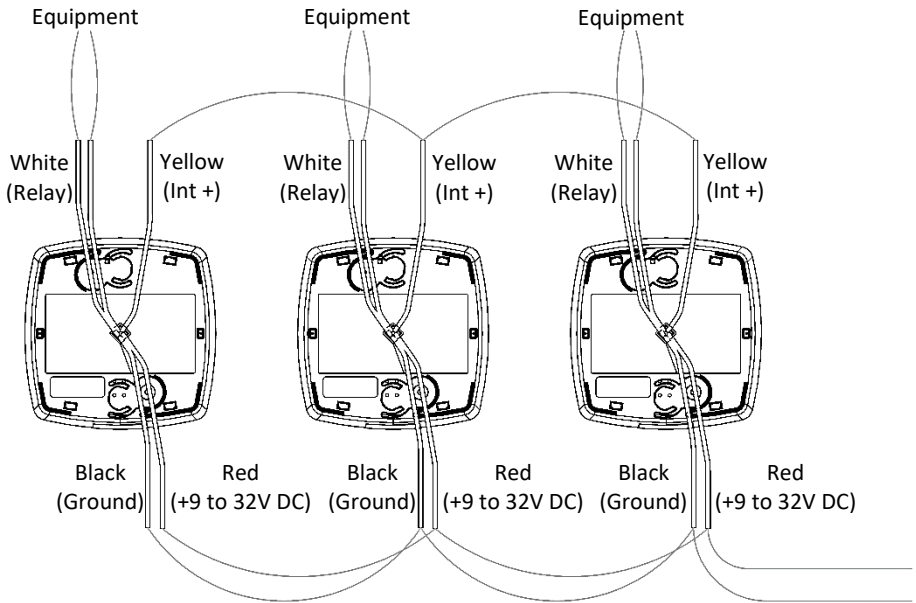
## Wiring Connections (Marine 12/24V DC Units)

Units: *CMD6-MD*, *CMD6-MDR*, *CMD6-MD-B*, & *CMD6-MDR-B*

Red and Black 18 GA wires are provided for connecting to the power source. Connect the Red wire to Power (+). Connect the Black wire to Ground (-).

Units: *CMD6-MDR* & *CMD6-MDR-B*

A Yellow 18 GA wire is provided for connecting Interconnect-Relay Series units. Connect the wires of up to 10 units to each other. Two White 18 GA wires are provided for connecting to equipment on the vessel. Each unit can handle a maximum of 1 Amp, 32V DC.



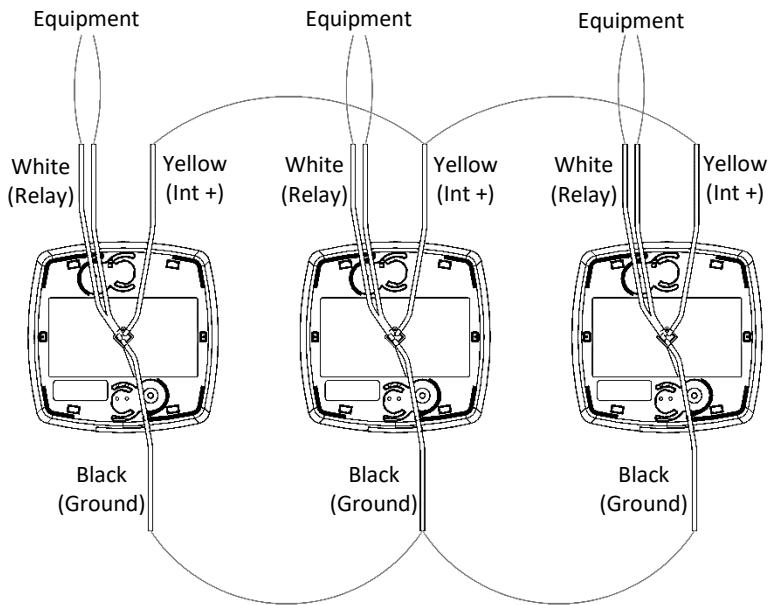
**NOTE:**

ILLUSTRATION ABOVE SHOWS ALL POSSIBLE WIRING OPTIONS FOR A 12/24V DC UNITS. REFER TO TEXT FOR WIRING CONNECTIONS REQUIRED FOR EACH MODEL.

Wiring Connections (Marine Battery Units)

Units: *CMD6-MBR & CMD6-MBR-B*

Black and Yellow 18 GA wire is provided for connecting Interconnect-Relay Series units. Connect the wires of up to 10 units to each other. Two White 18 GA wires are provided for connecting to equipment on the vessel. Each unit can handle a maximum of 1 Amp, 32V DC.



**NOTE:**

ILLUSTRATION ABOVE SHOWS ALL POSSIBLE WIRING OPTIONS FOR BATTERY UNITS. REFER TO TEXT FOR WIRING CONNECTIONS REQUIRED FOR EACH MODEL.

**NOTE:**

PROTECTIVE COVER PROVIDED WITH THE ALARM IS INTENDED TO KEEP ALARM PROTECTED FROM LIQUID SPRAYS THAT MAY BE USED DURING THE INITIAL INSTALLATION PROCESS. REMOVE PROTECTIVE COVER BEFORE ACTIVATING.

## Activating Fireboy-Xintex Carbon Monoxide Alarm

1. Hold "Test/Mute" button for 10 seconds. The Green LED will turn on.
2. Press the "Test/Mute" button 5 times. The Green and Red LEDs will flash, and the horn will sound.

The CO Alarm is now activated. The Green LED will flash once every 180 seconds.

## Testing

Test the CO Alarms no less than once per week.

### Single Marine Standard Series Alarms

Press "Test/Mute" button until Green LED turns on and release. The alarm will simulate 2 alarm cycles (2 sets of 4 Beeps, 5 sec. Silence between). The Red LED will flash once every 5 seconds.

### Marine Interconnect-Relay Series Alarms

Press and hold the "Test/Mute" button for 60 seconds (1 minute). The Red LED will flash once every 5 seconds on the CO Alarm used to test. The Red and Green LED will flash once every 5 seconds on the interconnected CO Alarms. All interconnected CO Alarms will alarm within 1 minute. All equipment connected to the alarming unit will turn OFF.

## Maintenance

Clean without solvents weekly. Wipe surface of unit with a damp cloth.



## In the Event of an Alarm

1. Operate reset/silence button
2. Call your emergency services (fire department or 911).
3. Immediately move to fresh air – outdoors or by an open door/window. Check that all persons are present. Do not re-enter the premises or move away from the open door/window until emergency services responders have arrived, the premises have been aired out and alarm remains in its normal condition.
4. After following steps 1-3, if your alarm reactivates within a 24-hour period, repeat steps 1-3 and call a qualified appliance technician to investigate for sources of CO from fuel burning equipment and appliances, and inspect for proper operation of the equipment. If problems are identified during this inspection, have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufactures' instructions, or contact the manufacturers directly, for more information about CO safety and their equipment.

### Nuisance Alarms

Although the CO Alarm will detect only carbon monoxide in a normal environment, studies have found that unusually high concentrations of chemicals and/or vapors may affect the sensor. Many of these chemicals are the result of out-gassing in new boats. While these chemicals may cause nuisance alarms, levels high enough to create an alarm condition are also hazardous. Treat these “nuisance” alarms as an actual carbon monoxide alarm condition. Evacuate and ventilate the area. Before, during, and immediately after working with any chemicals, make sure enough fresh air ventilation is available.

## Deactivating Fireboy-Xintex Carbon Monoxide Alarm in End of Life

1. Remove lid from unit.
2. Tighten the uni-directional screw with a flat-blade screwdriver until it is flush with the circuit board.
3. Press “Test/Mute” button.
4. The Green and Red LEDs will illuminate, and the horn will sound.

The CO Alarm is now deactivated.

### CAUTION:

DEACTIVATING CO ALARM IS PERMANENT. REACTIVATING IS NOT POSSIBLE. THE UNIT WILL NOT BE ABLE TO BE INSTALLED ONTO THE MOUNTING PLATE.

### Repairing Fireboy-Xintex Carbon Monoxide Alarms

Fireboy-Xintex Carbon Monoxide Alarms are not field serviceable. Components must be returned to the factory for any repairs.

### Returning Fireboy-Xintex Carbon Monoxide Alarms

No product may be returned for credit or repair without a written "Returned Material Authorization" (RMA) form. Purchaser must call or email Fireboy-Xintex 616-735-9380 or [fireboy@fireboy-xintex.com](mailto:fireboy@fireboy-xintex.com) for an RMA. For international customers, call or email Fireboy-Xintex UK Operations Limited +44 (0) 845 389 9462 or [fireboyuk@fireboy-xintex.com](mailto:fireboyuk@fireboy-xintex.com). If due to extenuating circumstances a product is to be returned, after approval it must be received in 100% new/resalable condition. Products stored by the buyer for more than 26 weeks may not be returned for any reason. Maintaining fresh and current inventory is the responsibility of the buyer.

### Replacement Records

Replace the CMD6 Marine Carbon Monoxide Alarm once it has reached the End-of-Life or within 84 months (7 years) of the retail sale. Record the Month and Year of purchase for the alarm or vessel below, whichever is the earlier date. If unsure of purchase date, use June and the model year of the vessel.

Date of Sale: \_\_\_\_\_

Replacement Date: \_\_\_\_\_

Record the Replacement Date on both "Warning" stickers.

## 1 Year Limited Warranty

This Warranty is in lieu of all other expressed or implied Warranties

Seller warrants title, materials, and workmanship on equipment, except components manufactured by others for which the Seller assigns, as permitted, the original manufacturer's warranty. Seller's warranty shall be for a period of (1) one year from the date of sale to the ORIGINAL CONSUMER PURCHASER, during which non-conforming equipment returned to the Seller at Buyer's expense and risk, be repaired or replaced at the Seller's option. Fireboy-Xintex will repair or replace products found to be defective in materials or workmanship within the period set forth above, provided that: (a) the product has not been subjected to abuse, contamination, neglect, accident, incorrect wiring not our own, improper installation or servicing, or used in violation of instructions furnished by Fireboy-Xintex and (b) as to any prior defects in materials or workmanship covered by this warranty, the product has not been repaired or altered by anyone except Fireboy-Xintex and (c) the serial number has not been removed, defaced or otherwise changed, and (d) examination discloses, in the judgment of Fireboy-Xintex, does not assume the costs of removal and/or installation of the product or any other incidental costs of removal and/or installation of the product or any other incidental costs which may arise as a result of any defect in material or workmanship, and (e) upon discovery of defect, Buyer shall immediately cease use of and notify Fireboy-Xintex.

Any warranty implied by law, including warranties of merchantability or fitness, is in effect only for the duration of the expressed warranties set forth above, no person is authorized to give any other warranty, or to assume for Fireboy-Xintex any other liability in connection with the sale of its products; Fireboy-Xintex shall not be liable for the loss of use, revenue, or profit or for any injury, or for any other consequential or incidental damages, buyer is not relying on seller's judgment regarding his or her particular requirements, and has had an opportunity to inspect the product to his or her satisfaction.

This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state.

[www.fireboy-xintex.com](http://www.fireboy-xintex.com)

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