



SCAN FOR

MORE INFO

Owner's Manual

PLEASE READ THIS ENTIRE MANUAL BEFORE USE
AND KEEP FOR FUTURE REFERENCE



SPECIFICATIONS

ASSEMBLED IN THE USA

Supply Voltage	12-24 VDC
Supply Current	90mA Max, 48mA typical
Internal Battery (CO sensor only)	3 VDC LiMnO ₂
Operating Temperature	-40°F to 150°F (-40°C to 66°C)
Humidity	15% to 90%
CO Detection Thresholds	70 ppm for 60 to 240 minutes 150 ppm for 10 to 50 minutes 400 ppm for 4 to 15 minutes
LP Detection Threshold	>2100 ppm (10% LEL)
Audible Output	85dB at 10 feet
Alarm Lifetime	5 years
Conforms to Boat Standards for:	UL1484, 5th Edition UL2034, 4th Edition CSA 6.19-17
Dimensions	4.21"x2.61"x0.83", 4oz

WHAT IS WAYPOINT?

The Waypoint WP-CP2 is a combination CO and Propane gas alarm designed for use in boats. The Waypoint alarm provides industry-leading safety by meeting the latest UL standards for both carbon monoxide and propane detection. An internal battery keeps the CO alarm running even when power is off. A CO and Propane gas alarm is recommended to be installed in all boats with or **near other boats** or gas burning appliances.

NOTE: Propane alarm still requires external power to be on.

GENERAL WARNINGS

Carbon monoxide (CO) gases and propane, or liquefied petroleum (LP) can be dangerous. Propane is commonly used in boats, and early detection of propane leaks can help prevent dangerous conditions. Carbon monoxide can also accumulate with improper ventilation or with malfunctioning appliances.

WARNING FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN FAILURE OF THE ALARM AND WILL VOID THE WARRANTY.

WARNING PROPANE ALARM WILL NOT OPERATE WITHOUT POWER. GREEN LIGHT MUST BE ON

CAUTION DO NOT COVER OR OBSTRUCT WAYPOINT WITH ANYTHING THAT COULD PREVENT GAS FROM ENTERING THE ALARM.

CAUTION SILICONE VAPORS CAN DAMAGE SENSORS WHEN POWERED FROM BOAT. MAKE SURE EXTERNAL POWER IS OFF WHILE ANY SILICONES ARE CURING NEARBY.

MAINTAINING YOUR ALARM

WARNING TEST ALARM OPERATION AFTER BOAT HAS BEEN IN STORAGE, BEFORE EACH TRIP, AND AT LEAST ONCE PER WEEK DURING USE.

Test button tests electrical functions only, not the alarm's ability to detect gases. Carefully test with propane or butane gas for 30 seconds to verify propane sensor function. Be sure that there are no open flames or sources of ignition.

WARNING DRY CLOTH CLEAN ONLY TO AVOID DAMAGING YOUR ALARM, CLEAN IT USING A DRY CLOTH ONLY. DO NOT USE LIQUIDS OR SPRAYS.

WARNING! LIMITATIONS OF CO AND PROPANE GAS ALARM

This alarm is designed to detect carbon monoxide and propane gas from ANY source of combustion. It is NOT designed to detect smoke, fire or any other gases. CO and propane alarms have been proven to be both effective and reliable, but they may not be effective under all conditions. No alarm/sensor design can offer total protection of life and property. A CO and/or propane alarm is not a substitute for an adequate homeowner's property insurance or life insurance policy.

WARNING - This product is intended for use in ordinary indoor locations of boats. It is not designed to measure compliance with Occupational Safety and Health Administration (OSHA) commercial or industrial standards.

CAUTION - This CO and propane alarm will only indicate the presence of carbon monoxide gas or propane near the sensor. Carbon monoxide gas may be present in other areas of the boat.

Alarm warning signals may not be heard. A deep sleeper, hearing-impaired person, young child or someone impaired by drugs or alcohol may not awaken in response to a alarm

activation. This can occur even when an alarm is located inside the individual's bedroom. Make sure emergency exit drills are practiced that take this possibility into account. CO sensors may not always activate and provide early enough warning. A CO sensor will only activate when it is maintained in working order and sufficient amounts of CO gas reaches the unit.

Individuals with medical problems may consider using warning devices which provide audible and visual signals for carbon monoxide concentrations under 30 ppm.

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.

WARNING - The installation of CO alarms should not be used as a substitute for proper installation, use, and maintenance of fuel-burning appliances, including appropriate ventilation and exhaust systems.

CO ALARMS CANNOT GUARANTEE THAT YOU WILL NEVER SUFFER ANY ILLNESS OR INJURY FROM EXPOSURE TO CARBON MONOXIDE GAS.

ALARM MUST BE ACTIVATED BEFORE USE!

This alarm is shipped in a Shipping State. The alarm will NOT alarm for CO or Propane gas while in the Shipping State.

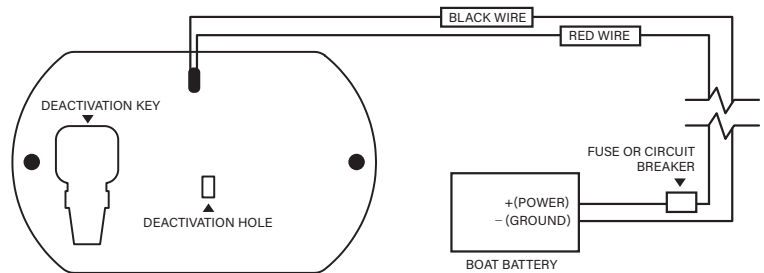
Activation Instructions:

Press the TEST / MUTE button of the front of the alarm until the unit beeps its alarm pattern.

Deactivation Instructions:

ALARM CANNOT BE USED AFTER DEACTIVATION AND MUST BE REPLACED!

1. Temporarily turn off power and propane gas to boat.
2. Unscrew alarm from wall.
3. Disconnect Waypoint wires from boat power system.
4. Break Deactivation Key out of the back of the alarm. SEE BELOW
5. Firmly insert Deactivation Key into Deactivation Hole in back of alarm. SEE BELOW
6. Red LED will stay on until internal battery is drained.
7. DO NOT ATTEMPT TO REMOVE KEY AFTER ALARM IS DEACTIVATED.
8. Dispose of alarm in accordance with local E-Waste guidelines.
9. REPLACE WITH A NEW ALARM, following the installation instructions of the new alarm.
10. Do not occupy boat until replacement alarm is installed!



INSTALLING YOUR WAYPOINT ALARM

Locations (Inside of boat) — WHERE TO INSTALL

- Near potential sources of gas leaks such as a stove, oven, refrigerator, or furnace.
- Within 4"-18" (10cm-46cm) of the floor. Propane is heavier than air and will settle near the floor. CO gas is approximately the same density as air, and will mix evenly.
- Where alarm vents are unobstructed to airflow; away from furniture, curtains, and out of closets.
- At least one CO alarm outside of sleeping areas **or in a galley**. For additional protection, install a CO alarm in each sleeping area **is recommended. Larger boats may need at least 3 alarms.**

WHERE NOT TO INSTALL

- Within 12" (30cm) of opening windows, exterior doors, fans, vents, or areas with a draft. **Do not mount where water from a hatch or port can reach the alarm.**
- Within 24" (61cm) of any cooking appliance.
- Behind furniture, drapes, in closets or areas that will block gas flow to alarm.
- Do not install in a power line controlled by a wall switch or GFI circuit. It is acceptable to connect the alarm to the main disconnect. Propane detection will be off when the main disconnect is turned to the off position. **The boat must not be occupied when the main disconnect is in the off position.**

HOW TO INSTALL

Waypoint should be mounted on a wall or panel of the boat.

- 1) Ensure there is clearance for the wires and mounting screws behind the wall or panel.
- 2) Drill a 5/8" (16mm) hole for the wires to exit the alarm through the wall. Note that this hole is NOT the center of the alarm.
- 3) Temporarily disconnect power from the boat system to avoid shorting.
- 4) Waypoint should be powered from the boat 12-24VDC system connected to a properly fused circuit. Connect the red and black wires to the boat battery using a 1A-15A fuse. Connect wires with UL recognized permanent wire connectors. (Black wire is ground. Red wire is 12-24VDC power)
- 5) Route the power wires of the alarm through the hole.
- 6) Screw alarm to wall and turn on power.
- 7) Turn on power, self test alarm by pressing button.
- 8) This alarm was shipped with two (2) self-adhesive warning labels. Add the telephone numbers of your emergency service provider and that of a qualified technician in spaces provided. Place one label next to the alarm, and the other label near a source of fresh air where your family plans to gather if the alarm indicates the presence of carbon monoxide or propane gas.

CONDITIONS THAT COULD ADVERSELY AFFECT YOUR ALARM

- Exposure to water, splashes, spray, and condensation
- Excessive dust or grease
- Cleaning supplies, chemical sprays, and perfume products
- Do not paint the alarm. Paint can block air flow to the sensor
- Silicone adhesive odors while curing
- Corrosive liquids such as acids
- Alkaline base metals, like salt spray
- High concentrations of Hydrogen
- Closed interior doors or other obstructions blocking gases from reaching the alarm
- The alarm is susceptible to trichloroethane and may false alarm
- Boat wax, teak oil, hull and deck cleaners
- Chemical out-gassing in new boats can trigger alarms and should be treated as real.

ALARM STATES AND INDICATORS			
STATE	GREEN LED	RED LED	AUDIBLE HORN
Normal Operation	ON	OFF	OFF
Boat Power OFF	OFF	Flash each minute	OFF
Shipping State	OFF	OFF	OFF
Self Test	OFF	ON/Flashing	4 chirps/constant beeps
CO Alarm	OFF	Flashing	4 chirps
Propane Alarm	OFF	ON	Constant beeps
Alarm Silenced (5 min. Max.)	OFF	Flash each second	OFF
Bad Boat Battery	Flash each minute	Flash each minute	Chirp each minute
End-of-Life or Other Failure	OFF	Flash each minute	Chirp each minute

Shipping State

This alarm is shipped in a Shipping State and will NOT alarm for CO or Propane gas. **ALARM MUST BE ACTIVATED BEFORE USE.** See Activating your alarm.

Boat Power Off State

Red LED flashes each minute if 12-24VDC power is off. Alarm will NOT detect propane. CO detector will still function. Apply power to the alarm to resume normal operation.

Warm-Up State

Alarm requires 3-6 minutes to warm up after 12-24VDC turns on and will not detect Propane during this time.

Normal Operation State

The green power LED is ON when the alarm is functioning normally and no CO or propane gas is present.

Self Test State

If the MUTE/TEST button is pressed while in normal operation, the alarm will perform a self test of the CO sensor, propane sensor and battery voltage. If the self test passes, the alarm will perform 2 cycles of the CO horn pattern (4 rapid chirps followed by a 4 second pause), followed by the propane horn pattern (constantly beeping). A failed self test will beep with red LED. If alarm continues to fail, replace alarm.

End of Life State

The alarm will begin chirping an End-of-Life warning each minute with red LED flash approximately 5 years after the Manufacture Date or if alarm fails an internal test. This warning can be silenced for 1 day by pressing the MUTE/TEST button. The alarm **MUST BE REPLACED** before the REPLACE BY date written on the front of the alarm. This warning can no longer be silenced after 30 days. Do not disconnect the alarm until you have a replacement alarm ready to install.

Alarm Silenced State

An alarm can be silenced for up to 5 minutes by pressing the MUTE/TEST button. The red LED will flash each second while the alarm is silenced. Alarm state will resume after 5 minutes if the CO or propane levels still exceed safe levels.

Bad Boat Battery State

If the supply voltage is below 9VDC or above 30VDC, the alarm will enter Low Battery State. The horn will chirp and both LEDs will flash each minute. Alarm performance cannot be guaranteed. Charge or replace the boat battery immediately. **DO NOT disconnect the alarm.**

**WARNING**

ACTIVATION OF YOUR PROPANE ALARM INDICATES THE PRESENCE OF PROPANE GAS, WHICH CAN CAUSE AN EXPLOSION AND/OR FIRE. THIS NORMALLY INDICATES A LEAK IN THE PROPANE GAS PIPES OR A PROPANE GAS APPLIANCE.

PROPANE ALARM STATE - HORN SOUNDS WITH CONSTANT BEEPS:

- Extinguish all open flames and smoking material.
- Leave hatches and ports open.
- Evacuate everyone from the boat if possible
- If you can't leave, move slowly toward shore while radioing for help.
- Keep passengers in well ventilated areas away from engine exhaust.
- Shut off propane gas supply, generators and fuel burning appliances.
- Do not touch any electrical switch in or near the boat.
- Do not start vehicle's engine or generator.
- Contact a qualified boat or gas technician for repairs.
- If you cannot reach a gas supplier or qualified Service Technician, contact the local fire department.
- Do not turn on gas supply or re-enter boat until the leak has been repaired.

Understanding the Dangers of Propane Gas

- Liquefied petroleum (LP) gas is commonly called propane and is used as fuel for heating and cooking appliances, especially for boats.
- Propane gas is explosive at the lower-explosive-limit (LEL), or 21,000 parts per million (ppm).
- Propane gas is denser than air, and will usually accumulate close to the floor. Therefore, Waypoint should be placed near the floor in order to quickly detect propane gas leaks.

**WARNING**

ACTIVATION OF YOUR CO ALARM INDICATES THE PRESENCE OF CARBON MONOXIDE (CO) WHICH CAN KILL YOU.

CO ALARM STATE - HORN SOUNDS WITH A 4-CHIRP PATTERN:

- Press the MUTE/TEST button.
- Call your Local Emergency Services number, 911 or Coast Guard. _____
- Immediately move outside to fresh air. Do a head count to check that all persons are accounted for. Do not reenter the premises until the emergency services responders arrive, the premises have been aired out, and your alarm returns to its normal state.
- After following steps 1 – 3, if your alarm reactivates within a 24 hour period, repeat steps 1 – 3 and call a qualified appliance technician at () _____ to investigate for sources of CO and Propane from fuel burning equipment and appliances, and inspect for proper operation of this equipment. If problems are identified during this inspection, have equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturers’ instructions, or contact the manufacturers directly for more information about CO and Propane safety and this equipment. Make sure that motor vehicles are not and have not been operating in an enclosed area near the boat.

Potential Problem Sources of CO Gas

The sources of carbon monoxide gas can be very difficult to locate due to the odorless, colorless nature of the gas, especially after the boat has been aired-out prior to the investigator’s arrival. Look closely at the following:

- Car or boats idling nearby.
- Engine exhaust entering boat.
- Excessive spillage or reverse venting of fuel-burning appliances.
- Extended operation of unventilated fuel-burning devices (range, oven, fireplace, etc.).
- Temperature inversions which can trap exhaust gases near the ground.
- Poorly designed or maintained vents.
- 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 connection vibrating loose from gas appliances.
- Obstructions or unconventional vent pipe designs which amplify the above situations.

Understanding the Dangers of CO Gas Poisoning

The following are the symptoms of carbon monoxide poisoning and need to be discussed with all occupants of the boat:

- Mild Exposure:** Slight headache, nausea, vomiting, fatigue (“flu-like” symptoms).
- Medium Exposure:** Severe throbbing headache, drowsiness, confusion, fast heart rate.
- Extreme Exposure:** Unconsciousness, convulsions, cardiorespiratory failure, brain damage, and death.

Many cases of reported CARBON MONOXIDE POISONING indicate that while victims are aware they are not well, they become so disoriented they are unable to save themselves by either exiting the boat or calling for assistance. Young children and pets are typically the first affected. If you experience ANY symptoms of CO poisoning, consult your physician.

ALARM RETURNS

For replacement under terms of this Warranty, contact customer service at:
CustomerService@RecSafetyProducts.com or at www.recsafetyproducts.com
If authorized by customer service, return this alarm to:
Recreation Safety Products LLC - Returns Dept, 11441 Markon Drive, Garden Grove, CA 92841
This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is your copy of the Limited Warranty on your Waypoint alarm. Please retain it, along with proof of purchase showing the date of purchase and the identity of the purchaser, in a safe place.

ALARM WARRANTY

For a period of 12 months from the date of purchase, Recreation Safety Products LLC warrants to you, the original purchaser, that your Waypoint alarm will be free from defects in workmanship, materials, and construction under normal use and service. If a defect in workmanship, materials, or construction should cause your Waypoint alarm to become inoperable within the warranty period, Recreation Safety Products LLC will furnish you with a new or rebuilt replacement alarm without charge to you except for your costs of shipping the alarm to Recreation Safety Products LLC for warranty coverage. Your repaired or replacement Waypoint alarm will be returned to you without charge and will be covered under this warranty for the balance of the warranty period.

This warranty will not apply if inspection of your Waypoint alarm shows that the damage or failure was caused by abuse, misuse, abnormal usage, faulty installation, improper maintenance, or work other than that performed by authorized service personnel.

Any warranties implied under any State law, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the period of this limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Recreation Safety Products LLC will not be liable for any loss, damage, incidental or consequential damages of any kind arising in connection with the sale, use, operation, inoperability, malfunction, or repair of your Waypoint alarm. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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