



Relay Control Module

RCM5-XX

Owner's Manual
&
Installation Instructions

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.

General Information	3
Specifications	3
System Specifications	3
Compatible Devices	3
Operation of Xintex Relay Control Module(s)	4
Locating a Xintex Relay Control Module	4
Installation	4
Mounting the Relay Control Module	4
Electrical Connections	5
Testing	6
Maintenance	6
Repairing Xintex Relay Control Modules	6
Returning Xintex Relay Control Modules	6
1 Year Limited Warranty	7

General Information

The RCM5 is a Relay Control Module. It allows you to automatically deactivate devices based on the status of the connected Xintex detection device. The RCM5 uses a signal provided by the connected Xintex device to activate the internal relay. This allows you to shutdown generators or other devices automatically.

Specifications

System Specifications

Operating Voltage: 9-32 VDC

Nominal Current Draw: 15mA @ 12 VDC

Maximum Current Draw: 40mA @ 9 VDC

Maximum Relay Voltage: 30 VDC

Maximum Relay Switching Current: 1 A

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

Dimensions: 3.1" (76mm) x 2.1" (52mm) x 1.83" (46mm)

Housing Material: Flame Retardant ABS

Compatible Devices

CMD5-MBI-XX	Marine CO Alarm, Battery Powered, Interconnect
CMD5-MBI-BX	Marine CO Alarm, Battery Powered, Interconnect, Black Housing
CMD5-MDI-XX	Marine CO Alarm, 12/24 VDC Powered, Interconnect
CMD5-MDI-BX	Marine CO Alarm, 12/24 VDC Powered, Interconnect, Black Housing
CMD5-RBI-XX	RV CO Alarm, Battery Powered, Interconnect
CMD5-RBI-BX	RV CO Alarm, Battery Powered, Interconnect, Black Housing
CMD5-RDI-XX	RV CO Alarm, 12/24 VDC Powered, Interconnect
CMD5-RDI-BX	RV CO Alarm, 12/24 VDC Powered, Interconnect, Black Housing
CMD5-HBI-XX	Residential CO Alarm, Battery Powered, Interconnect
CMD5-HBI-BX	Residential CO Alarm, Battery Powered, Interconnect, Black Housing

WARNING:

12/24 VDC POWERED AND BATTERY POWERED UNITS SHOULD NOT BE INTERCONNECTED TOGETHER. IF 12/24 VDC POWER IS LOST, THEN THE INTERCONNECTED BATTERY UNITS WILL GO INTO INTERCONNECT ALARM. THE RCM5 UNIT WILL ALSO BE TRIPPED IF 12/24 VDC POWER IS STILL PRESENT AT THE RELAY CONTROL MODULE.

Operation of Xintex Relay Control Module(s)



The RCM5 has a 6 position terminal strip located on the top face of the unit. Power must be supplied to the unit, as well as the signal from a Xintex detection device. When the RCM5 receives the signal from the connected Xintex device, the relay is tripped. The RCM5 can be used to interrupt a device's ground and disable the device.

Locating a Xintex Relay Control Module

Locate the RCM5 in a convenient place near the Xintex detection device for periodic testing and maintenance. Do not install in the bilge area, engine compartment or other hazardous locations. Do not install in locations where temperature, moisture, and/or ultraviolet light affect operation. This is not an ignition protected device.

Installation

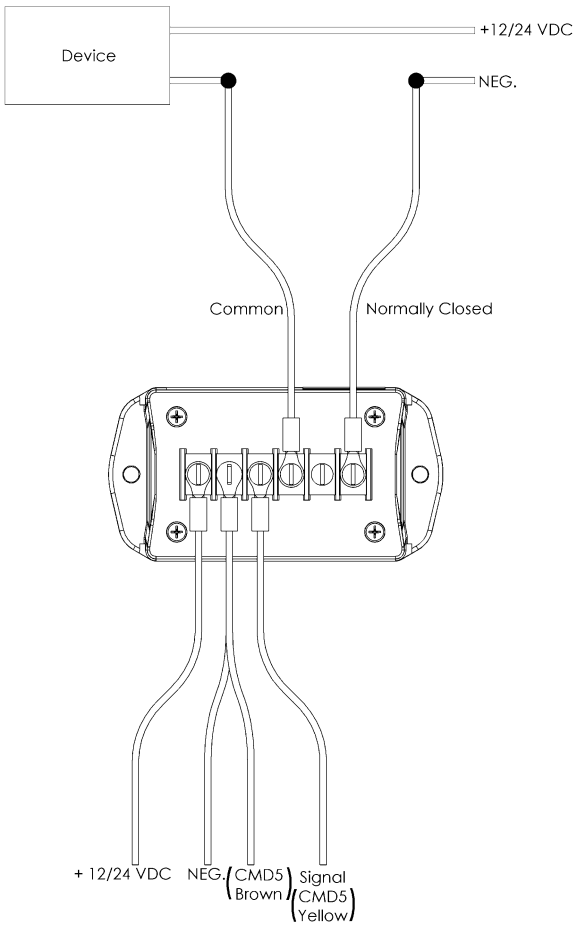
Mounting the Relay Control Module



- Use appropriate length #8, Pan Head screws to secure Mounting Base. Two styles of 3/4" length provided.
- Do not over-tighten.

Electrical Connections

Use 18 Gauge wire in accordance with ANSI/NFPA 70 to make connections to the device. The resistance of the interconnected wiring shall be a maximum of 10 ohms.



For CMD5-(x)BI units:

Connect the Yellow wire from the CMD5 to the SIG terminal of the RCM5. Connect both the Battery NEG and the Brown wire from the CMD5 to the NEG terminal of the RCM5.

For CMD5-(x)DI units:

Connect the Yellow wire from the CMD5 to the SIG terminal of the RCM5. Connect both the Battery NEG and the Brown wire from the CMD5 to the NEG terminal of the RCM5. The Brown wire from the CMD5 could also be grounded elsewhere as long as that location is also on the same battery circuit.

Testing

Disconnect the NC wire connection on the RCM5. When the wire is disconnected, the connected device will turn off within 20 seconds.

Maintenance

The system should be tested periodically in the fashion described in the previous section. Use pressurized air to clean when necessary.

Repairing Xintex Relay Control Modules

Xintex Relay Control Modules are not field serviceable. Components must be returned to the factory for any repairs.

Returning Xintex Relay Control Modules

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 for a RMA. 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.

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 LLC 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 LLC 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, Inc and (c) the serial number has not been removed, defaced or otherwise changed, and (d) examination discloses, in the judgment of Fireboy-Xintex LLC, 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 LLC.

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 LLC any other liability in connection with the sale of its products; Fireboy-Xintex LLC 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

Fireboy-Xintex LLC
O-379 Lake Michigan Dr. NW
Grand Rapids, MI 49534
fireboy@fireboy-xintex.com
Phone (616) 735 9380

Fireboy-Xintex UK Operations Limited
10 Holton Road, Holton Heath Trading Park
Poole Dorset BH16 6LT UK
fireboyeu@fireboy-xintex.com
Phone 44 (0) 845 9462