

## INSTALLATION & OPERATION MANUAL

# CRMA 50/63

## Power Cord Retrieval & Storage System

The CRMA Cordreel has been designed for manual pay out and motorized retraction of your shore power cable.

The Cordreel can store 50amp 125/250 volt shore power cable and European 63amp 250volt shore power cable.

### Table of Contents

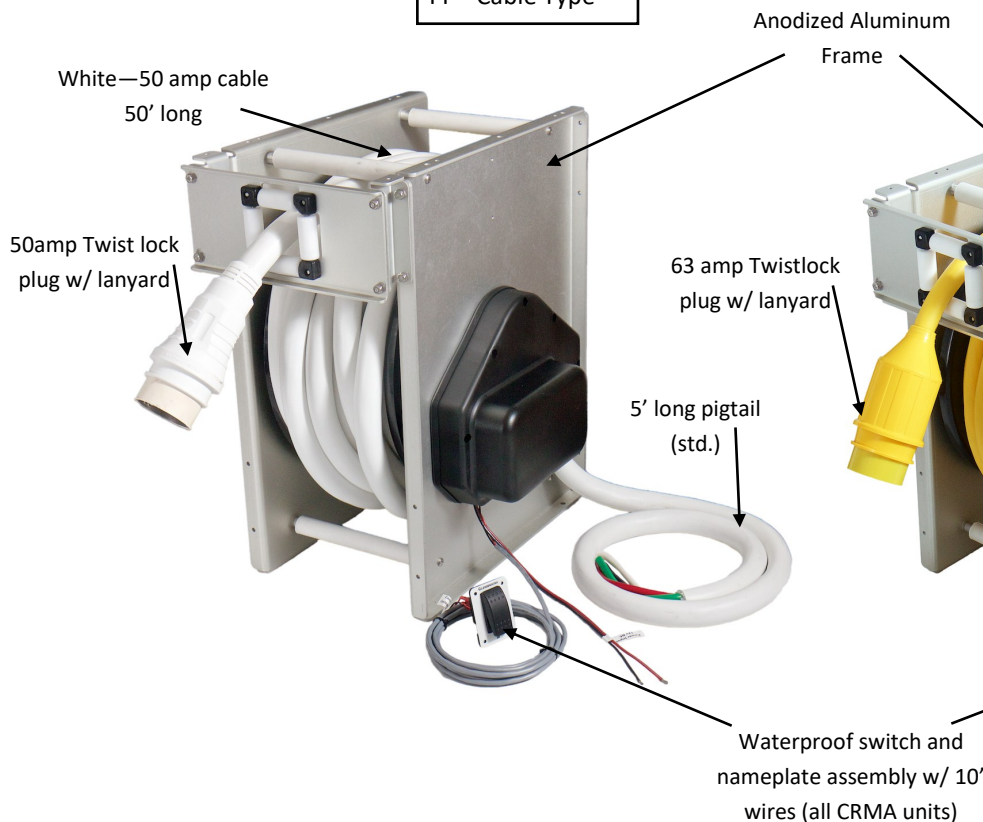
- 1) Product Description
- 2) Product Dimensions
- 3) Installation
- 4) Operating Instructions
- 5) Maintenance
- 6) Troubleshooting
- 7) Accessories

### 1.0 PRODUCT DESCRIPTION

#### CRMA 50

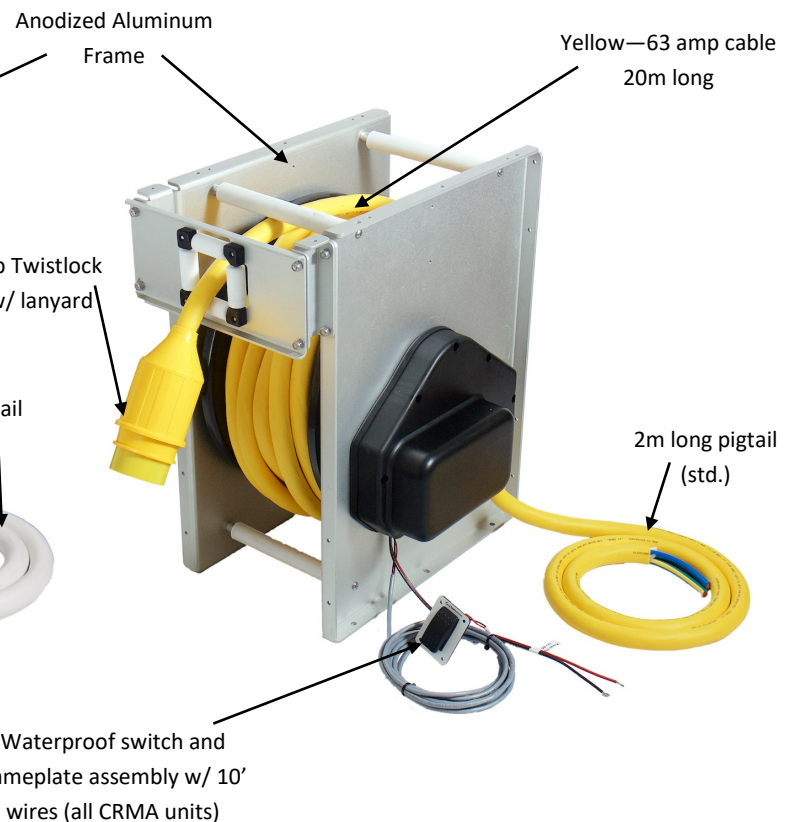
CRMA50-XX-YY

XX – DC voltage  
YY—Cable Type



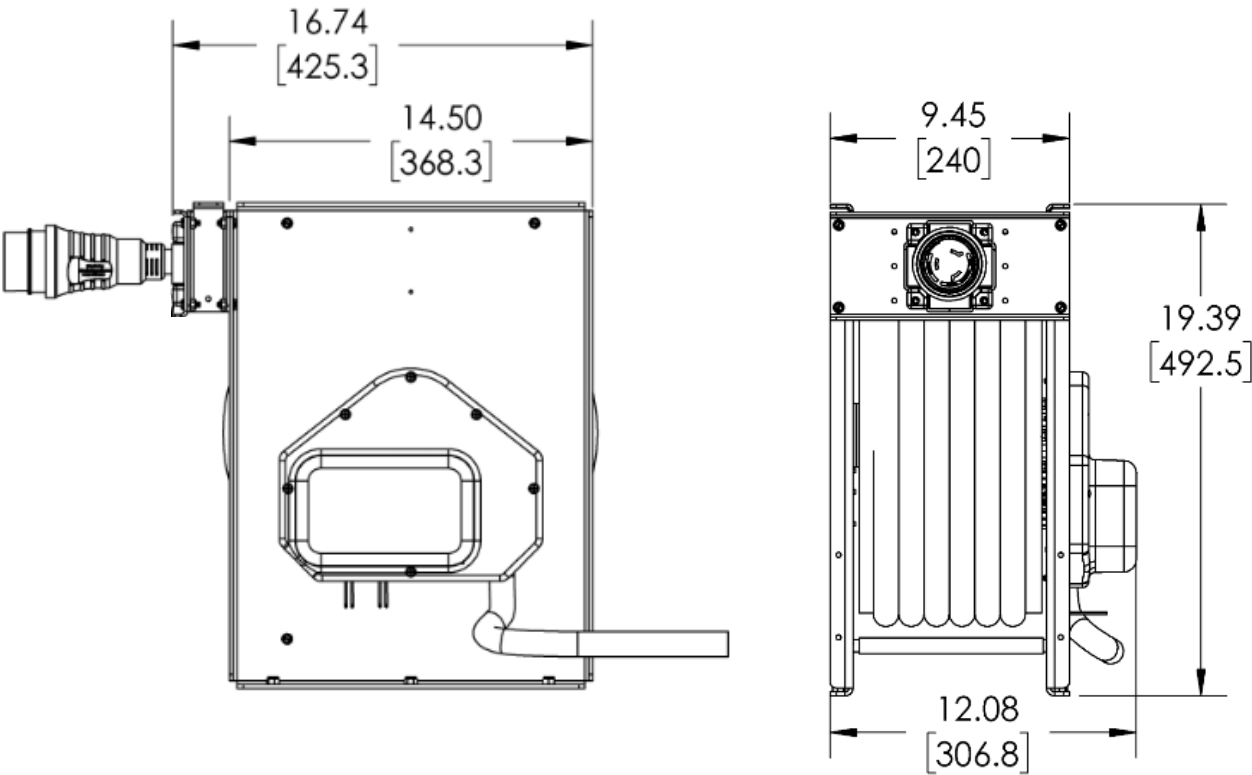
#### CRMA 63

CRMA63-XX-YY



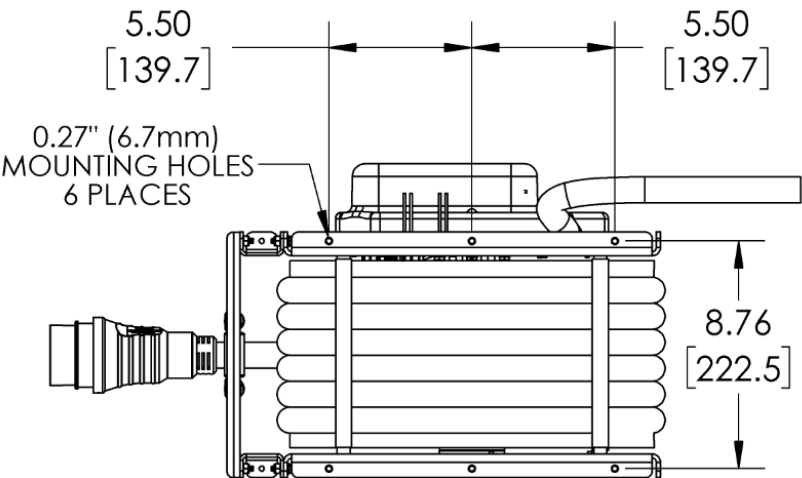
**2.0 PRODUCT DIMENSIONS**

**CRMA 50/63**



Weight: 62 lbs.

(w/ 50' 6/4 cable)



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## 3.0 CORDREEL INSTALLATION

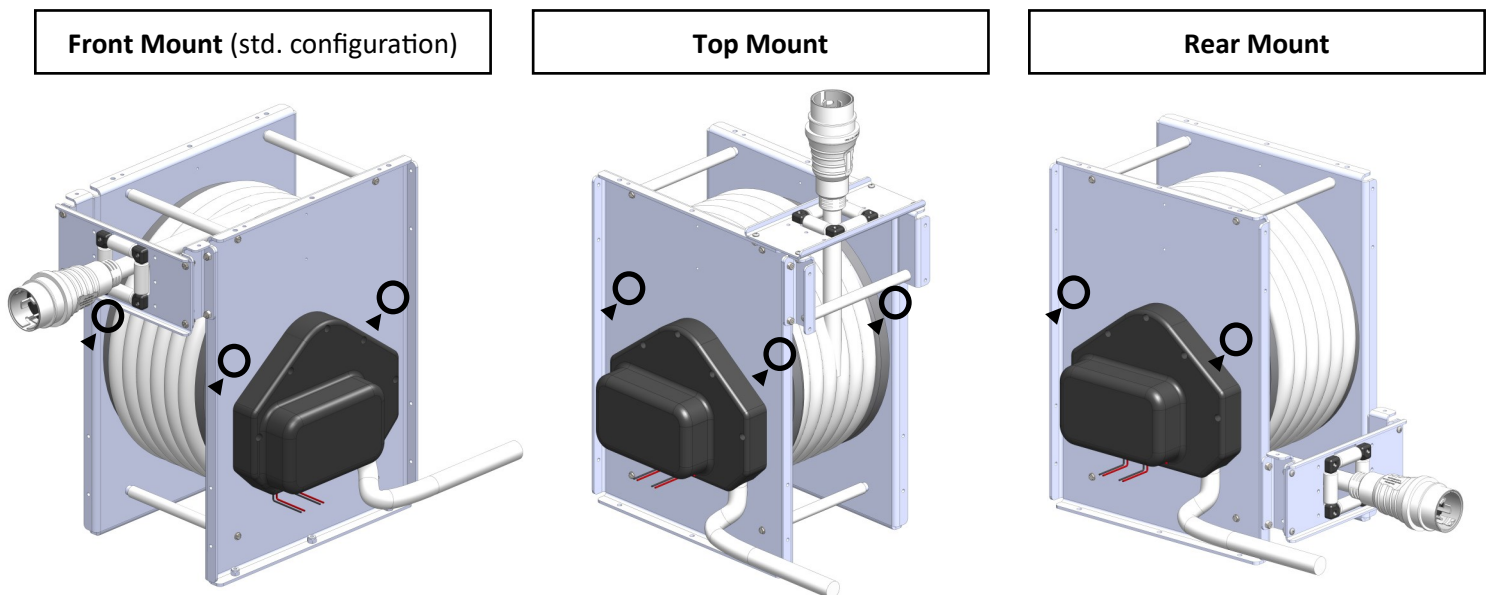
### 3.1 Before You Start the Installation

There are a few requirements that need to be followed in the planning of your installation;

- The shore power cable routing from the Cord reel to where it exits the boat (normally through a hatch or Hawse Pipe). Be sure that cable is routed in a straight path, free from any obstacles/hoses/wire. If the cable exit/entry at the Cordreel is not in the center of the reel, it is very possible the cable will coil on only one side of the reel which could cause binding during manual retraction. There are some accessories you can purchase to help center the cable onto the Cordreel. (See section 7 for accessories.)
- The Cord reel is basically an electrical panel with three junctions. The side of unit, terminal block on hub and sliprings internally. Make sure that the Cord reel is installed in a location where it is protected from the environment. It is best not to have the unit mounted underneath any appliances/equipment/tanks that use water, fuel, oil. The unit is water resistant but not waterproof, so if any leaks happen, then the unit would be compromised and required to be replaced.
- The unit will need basic maintenance and servicing from time to time, so the unit should be mounted where there is free access to the side cover and center of hub.

### 3.2 Installation Configurations

The Cordreel (50/63) is capable of being mounted in multiple configurations:



### 3.3 Mounting Instructions

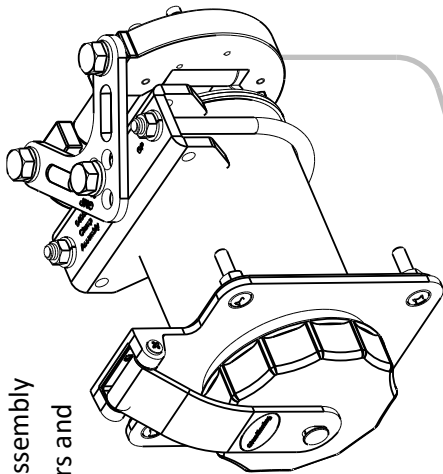
- The Cordreel will be mounted to either the floor or the overhead of the compartment where it will be located. If on the overhead, proper support bracketing must be provided by installer.
- Allow clearance for the Cordreel storage spool to operate freely without obstruction or interference, and for the connection of the power cable from your power supply.
- Install the Cordreel using 1/4" bolts, 1" long minimum. Bolt unit in each of the four corners. See above for bolting locations. Look for ►○

NOTE: Unspooling the power cord before mounting the Cordreel can aid installation in tight spaces.

3.4 Wiring Diagram

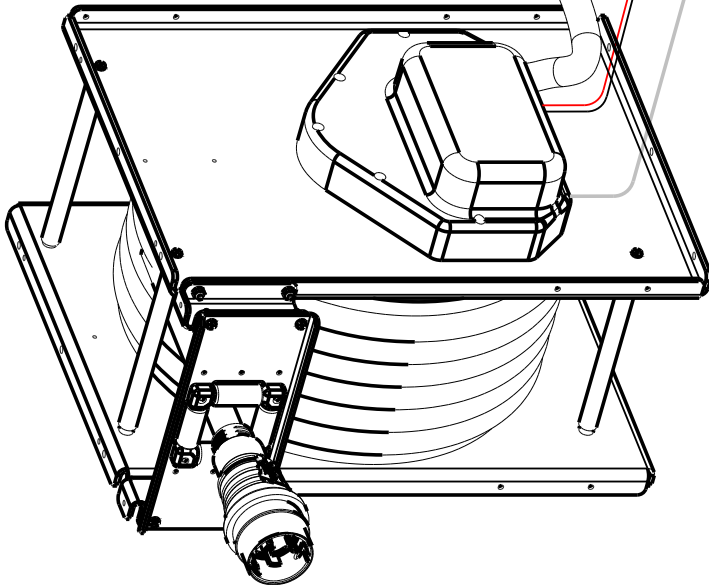
**OPTIONAL**

Hawse Pipe Assembly CRM  
# 04079-CRM Hawse Pipe w/ roller assembly  
# 04079-CRM-LS Hawse Pipe w/ rollers and  
limit switch assembly

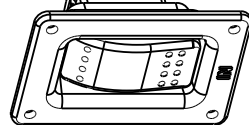


AC Power "Pigtail"  
• 50amp 5' long  
• 63amp 2 m

DC Power Input  
(12v or 24v, check label on unit)  
• Red— DC Positive +  
• Black— DC Negative -  
• -use 20amp breaker or fuse



Power switch wire 10' long  
Connects to back of Control  
Switch

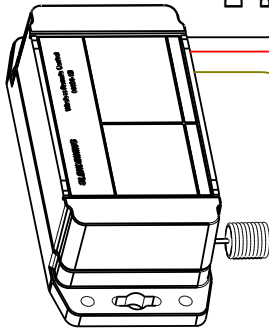
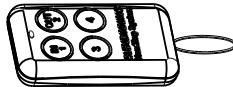


Control Switch and  
Nameplate

In-Limit Switch Assembly  
- use quick connects included on in-limit wire  
to install limit switch between Black wire and  
control switch

**OPTIONAL**

Wireless remote Control 4 channel  
# 04154-1B 12/24v Remote



DC Power Input  
Red— DC Positive +  
Black— DC Neg. —  
- use 5 amp fuse

Wireless remote—Yellow wire  
- Splice into the black wire at switch

### 3.5 Installing the Hawse Pipe (optional accessory)

The installation of the Hawse Pipe is optional. You may also use your existing Hawse Pipe or any storage space door that is accessible to where you select the power cord to exit.

- Before drilling or cutting, be certain that the area behind the Hawse Pipe is free of wires, plumbing or structural supports.
- Mounting surface should be a minimum of 1/2" thick. Proper thickness may be achieved by using a butt block of marine-grade plywood behind the mounting surface.
- Mount Hawse Pipe.

Part#:

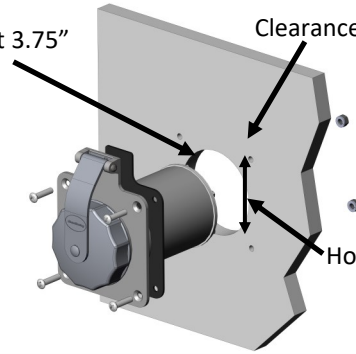
04079-CRM — Hawse Pipe w/ Guide Roller Assembly

04079-CRM-LS — Hawse Pipe w/ Guide Roller In-Limit Switch Assembly

Hole cut out 3.75" diameter

Clearance hole 17/64

Holes 4" apart



### 3.6 Connect AC Power to Unit “Pigtail” Cable

#### 50amp 125v AC

Black - Line 125VAC

White - Neutral

Green - Ground

#### 50amp 125/250v AC

Black - Line 1 125v AC

Red - Line 2 125v AC

White - Neutral

Green - Ground

#### 50amp 125/250v AC w/ Isolation Transformer

Black - Line 1 125v AC

Red - Line 2 125v AC

Green - Ground

#### 63amp 250v AC

Brown - Line 250AC

Blue - Neutral

Green - Ground

The “pigtail” that comes on the Cordreel must be connected to the junction box or power switch that supplies 125v or 250v to the boats electrical system.

- Strip the insulation from the end of the “pigtail” as well as the green, white, black, and red wires within the insulation jacket.
- Attach appropriate connectors to each wire and attach to the junction box.

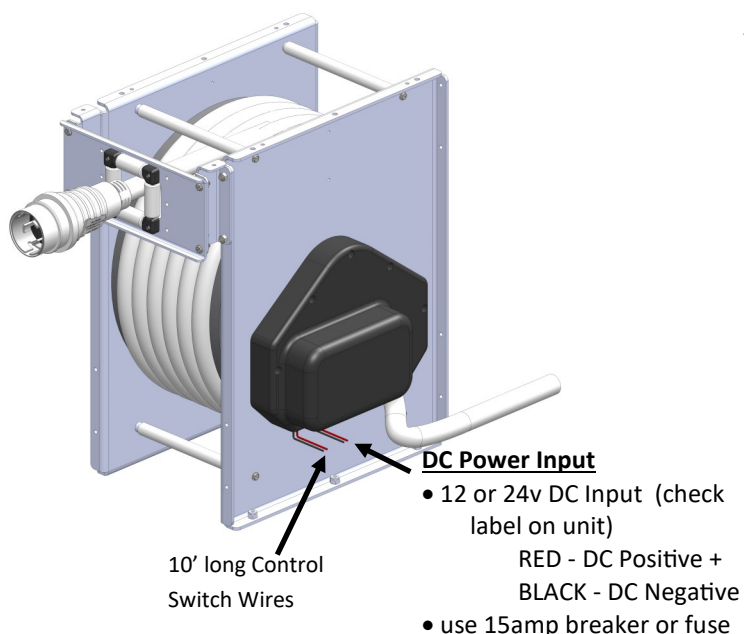


**WARNING:**



- All wiring should be done in accordance with ABYC's standards. If you are unsure of these standards, consult a qualified electrician.
- Failure to wire correctly may result in DEATH, INJURY OR DAMAGE TO PERSONS, VESSELS, OR UNIT. Terminals are marked for correct wiring: LINE, NEUTRAL, & GROUND.

### 3.7 DC Wire Connection



The Cordreel comes with (2) 14 gauge wires exiting from the gear motor cover.

- These wires should be connected to the 12 or 24 VDC power source depending on unit purchased (see label on unit for correct voltage).
- Connect wire to DC battery as shown to left.
- Make sure all connections are secured and protected from the environment.



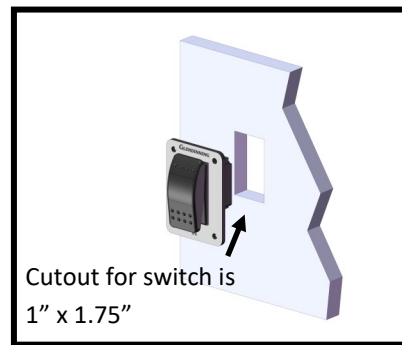
**WARNING:**



All wiring should be done in accordance with ABYC's standards. If you are unsure of these standards, consult a qualified electrician.

### 3.8 Control Switch

- Mount the control switch near where the cable exits the side of the boat.
- Connect red quick connector terminal to the tabs on the control switch.



## 4.0 OPERATING INSTRUCTIONS

To operate your Cordreel:

- **PULL OUT** only the amount of shore power cord required to reach the dockside power post connection.
- **CONNECT** your shore power cord to dockside power post connection.
- **TURN ON** breaker at dockside power post.

When ready to get underway:

- **TURN OFF** dockside power post connection.
- **DISCONNECT** cord from the dockside power post connection.
- **PUSH AND HOLD** the Cordreel power switch . Cordreel will electrically retrieve the power cord and store.
- When cord is fully retracted, **RELEASE** the power switch to stop the unit.

**NOTE:**

- Always disconnect AND fully retract your cable BEFORE getting underway!
- Continuing to push power button after cable is retracted may cause damage to the motor and will cause breaker switch to trip - reset before next use.

## 5.0 MAINTENANCE

- **TO RELIEVE ANY KINKING** that may happen Routinely extend the power cable completely, stretch it on any flat surface, and allow the Cordreel to retract the cable into the reel.
- **INSPECT ALL AC AND DC WIRING CONNECTIONS** and make sure they are free of corrosion and connections are tight.
- **IF THE POWER CABLE ACCIDENTALLY FALLS INTO THE WATER**, do not use until the cable has been cleaned and dried fully. See Marine Molded Power Cord Sets 044xx User Guide for more information.
- **INSPECT THE EXTERIOR JACKET** of the power cable for nicks or cuts.
- **IF YOUR POWER CABLE IS DIRTY**, any cleaner should be compatible with the outer jacket material of the power cable.
- **IF NEEDING TO REPLACE POWER CORDSET**—Contact Glendinning Products, LLC. For replacement cordset. If using another manufacturer's cordset, USE ONLY 105°C MINIMUM RATED CORDSETS. Also make sure that the outside diameter of the new cordset does not exceed that of the factory supplied cordset. Contact Glendinning Prods. For

Installation Instructions for replacing Cordset

## 6.0 TROUBLESHOOTING

ISSUE	PROBABLE CAUSE	RECOMMENDED ACTION
Non-functional (either no power or unit has power and does not respond)	Tripped breaker	Reset breaker
	Blown fuse at power source	Replace fuse
	Power wire incorrectly connected to power source	Check power source fuse and connections, reconnect or replace if necessary
	Defective motor	With power switch on and voltage across motor wires — if no response, replace motor
Cordreel stops retracting while button is being pushed	Cord jammed during retraction causing breaker to trip	Reset breaker
		Pay out cable and rewind

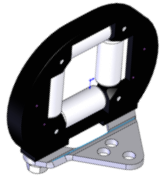
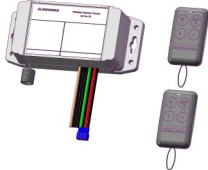
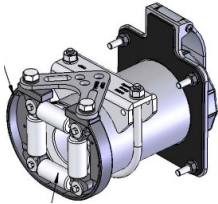
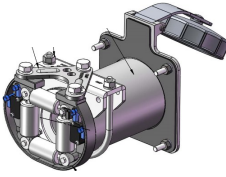
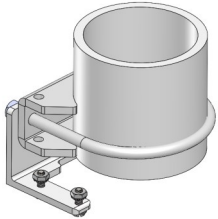
### WARRANTY

PRODUCT COVERED BY THIS LIMITED WARRANTY: CRMA50/63

1. GLENDINNING PRODUCTS, LLC. warrants to the original consumer purchaser that the CRMA 50/63 will be free from defects in material and workmanship under normal use and service for a period of one (1) year from the date of purchase.
2. This LIMITED WARRANTY applies to defects in material and workmanship. It does not apply to plated or painted finishes or to cord damage caused by inadequate cable storage area or installation not in accordance with GLENDINNING PRODUCTS, LLC. specifications.
3. This LIMITED WARRANTY is void if the product has been damaged by accident or unreasonable use, neglect, improper installation, or other causes not arising out of defects in material or workmanship.
4. To obtain performance of this LIMITED WARRANTY obligation the original purchaser should contact GLENDINNING PRODUCTS, LLC. for instructions concerning removal and shipping of the defective component. Upon compliance of the foregoing procedure all warranted defects will be repaired, or at GLENDINNING PRODUCTS, LLC. option, the complete unit replaced and returned to the consumer, shipping charges prepaid.
5. GLENDINNING PRODUCTS, LLC. does not assume the costs of removal and/or installation of the product or any other incidental costs which may arise as a result of any defect in materials or workmanship.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY WARRANTY IMPLIED BY LAW INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS, IS IN EFFECT ONLY FOR THE DURATION OF THE EXPRESS WARRANTIES SET FORTH IN THE FIRST PARAGRAPH ABOVE. NO REPRESENTATIVE OR PERSON IS AUTHORIZED TO GIVE ANY OTHER WARRANTY OR TO ASSUME FOR GLENDINNING PRODUCTS, LLC. ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF IT'S PRODUCTS. GLENDINNING PRODUCTS, LLC. WILL NOT BE LIABLE FOR ANY CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR INSTALLATION OF IT'S PRODUCTS.

## 7.0 ACCESSORIES

PART#	Description	
04054	Guide Roller Assembly with Plate	
04154-1B	Remote Control System 12/24V, Includes (2) transmitters, (1) receiver, (1) antenna, and (1) wire harness	
04079-CRM	Stainless Steel Hawse Pipe w/ Guide Roller Assembly	
04079-CRM-LS	Stainless Steel Hawse Pipe w/ Guide Roller Assembly and Limit Switch	
04210	Bracketing to install pipe accessories onto unit (See brochure for info)	
19846-5	Side mounting bracket—use when unit is mounted on its side	