

RFC-100 Remote Brake or Clutch Control with E-Stop

Service & Installation Instructions

819-0559
P-2109-WE



 **Warner Electric**[®]
Altra Industrial Motion



Specifications

Power Input	10VDC-15VDC, with reverse polarity protection
Output	10 Amps Maximum
Fusing	10A Fast Acting fuse. Recommended to add a fuse in-line. Control box is not fused internally.
Switching	Maintained contact, via relay contact.
Operating Temperature	0° F to 160°F
Dimensions	Approx. 3.6" high x 3.15" wide x 4.33 long not including the mounting kit.
	5 Foot power cord included with switch (crimp-type eyelets provided for customer hookup)
Part Number	6005-278-001

Note: The RF control inside the receiver housing is pre-programmed for the 2-button remote. No additional programming is needed. For more information, consult application support.

Description

2-Button Rechargeable Remote Transmitter



The remote control will transmit for up to 9 hours on a single charge. The internal battery does not need to be replaced. The transmitter can be connected to a USB outlet and recharged for another 9 hours of transmission via the micro USB port on the bottom of the remote.

The transmitter is supplied with a charging kit that includes a USB cable and wall charger.

The transmitter is designed to be waterproof to an IP65 level (protection from dust, rain and water spray). It is not designed to be submerged.

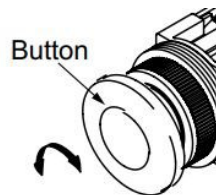
Introduction

The RFC-100 Control is a relay operated, brake or clutch control for use with the supplied radio frequency (RF) handheld remote. An Emergency E-stop is also integrated for manual operation to disengage a clutch or brake.

It should not be used to directly power Warner Electric permanent magnet electrically released brakes as these units require an adjustable current or voltage supply to provide optimum release.

During normal operation, the E-Stop switch will illuminate with a red LED and the light will be turned off when the knob has been depressed. To release the E-stop switch, the user must twist the red knob clockwise as shown in Figure 1.

Figure 1



Pressing the top button will engage the brake or clutch. By pressing the bottom button, you will disengage the brake or clutch.

Transmit range is 75 feet maximum under normal operating conditions. Environment or surroundings can have a direct effect on the strength of the RF signal.

⚠ WARNING Do not operate remote unless equipment is in sight of the operator.

Specifications

2-Button Rechargeable Remote Transmitter

Frequency: 340 MHz

LEDs indicate transmission and charging state.

Dimensions: approximately 5"L x 2.5"W x 1"D.

Installation

Mounting

This kit includes 4 stainless steel feet, rubber washers, and screws. Customer to locate where desired by loosening the four screws on bottom and turning. Re-tighten the screw to hand tight.

1.68 x 0.71 x 0.24 in / 42.67 x 18.03 x 6.10 mm.

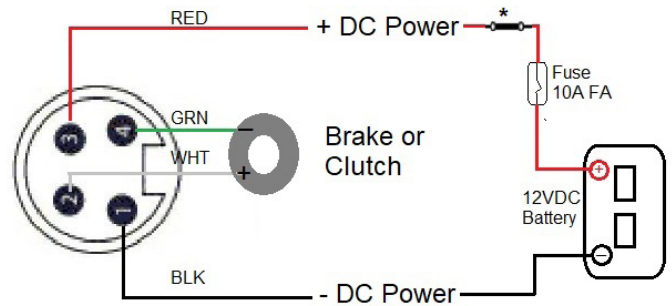
Maximum screw mounting size is #10 screw. Figure 2.



Figure 2

Wiring Harness Hook-up

To avoid injury (or even death), always make certain all power is off before attempting to install this control.



* Existing clutch or brake switch left in the 'ON' position, (optional)

Warranty

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This warranty extends only to the original purchaser and is not transferable or assignable without Warner Electric LLC's prior consent.

Warranty service can be obtained in the U.S.A. by returning any defective product, transportation charges prepaid, to the appropriate Warner Electric LLC factory. Additional warranty information may be obtained by writing the Customer Satisfaction Department, Warner Electric LLC, 449 Gardner Street, South Beloit, Illinois 61080, or by calling 815-389-3771.

A purchase receipt or other proof of original purchase will be required before warranty service is rendered. If found defective under the terms of this warranty, repair or replacement will be made, without charge, together with a refund for transportation costs. If found not to be defective, you will be notified and, with your consent, the item will be repaired or replaced and returned to you at your expense.

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Changes in Dimensions and Specifications

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