

Remote Enunciator with Keypad Installation Instructions

GENERAL DESCRIPTION

This document describes how to install the Remote Enunciator to be used with a compatible Charles charger unit.

FAILURE TO FOLLOW THE PROPER INSTALLATION INSTRUCTIONS WILL VOID THE MANUFACTURER'S WARRANTY!

FEATURES

- Remote Enunciator for the equipped chargers
- Display, keypad and sounder are identical to the charger
- Bright Vacuum Florescent Display (VFD)
- Repeats everything displayed on the charger
- Soft Touch Capacitive User Interface that is resistant to dust and dirt contamination
- Controls the charger functions by remote
- Attention getting audio alarm matches the charger's buzzer
- Attractive, heavy duty plastic case
- Flexible power (select one): 100–240VAC, 12VDC battery, 24VDC battery
- Maybe located up to 500 ft (wire distance) from the charger

INSTALLATION

Follow these instructions for proper installation of the Remote Enunciator.

The Remote Enunciator must be connected to a Charles compatible charger unit.

Hardware is provided for easy mounting.

Power Selection and Connection

Select the appropriate power source. Only select a single source. Do not use the AC source and a battery source at the same time or the Remote Enunciator may be damaged.

AC power: Plug the wall transformer into an appropriate AC socket. Plug the barrel plug into the bottom in the Remote Enunciator.

Battery power (12VDC or 24VDC): Connect 22 AWG or thicker wire to the green removable plug. Observe polarity marked on the bottom of the remote case. The Remote Enunciator will work from 9–35VDC input. Mount the plug and tighten securely.

Interface Connection

The Remote Enunciator wiring is limited to 500 ft maximum.

The interface is designed to connect using standard Cat 5 or better cable configured in a "straight" wiring path. Do not use a cross-over cable. While the cabling is Cat 5 or better, the data stream is NOT ETHERNET. Do not connect to any devices other than the charger. *Appendix A shows more information on making a cable and the appropriate connections.*

Simply snap the Cat 5 cable plug above into the jack on the bottom of the remote. Route the cable to the charger and snap the other end into the jack located in the charger's Main Wiring Compartment.

Note: The dust cover over the remote jack on the charger may have to be removed prior to installation.



Figure 1. Remote Enunciator

Note: You may plug in the connection and/or apply power while the charger is operational.

OPERATION

The keypad, display, and buzzer are identical to the charger. Both the charger and the Remote Enunciator will display the same information. Likewise, both keypads are also active. When the buzzer sounds on the charger, it will also sound on the Remote Enunciator.

Note: When the display is first plugged in, it may take a few cycles of the Remote Enunciator display to properly display all the text and characters. This is normal as the charger is reloading the Remote Enunciator's memory.

Note: If the Remote Enunciator is plugged in and/or power is applied during Setup Mode on the charger, the display may not properly show particular characters until the Setup Mode is exited and the charger is returned to normal operation. Allow for a few cycles of normal operation before re-entering Setup Mode.

Note: The Remote Enunciator has a "sleep" mode. If communication is lost with the charger or the charger's power is turned off, within 10 seconds, the Enunciator will blank the display and power down to conserve energy. When communication is restored with the charger, the display will automatically power back up.

Maintenance

Periodically wipe the case off with a soft cloth.

SPECIFICATIONS

The specifications of the Remote Enunciator are provided in this section.

Display: Vacuum Florescent

Operating temperature: –40 to +65C (–40 to 149F)

Mechanical

Width: 8 inches (20 centimeters)

Height: 7.25 inches (18 centimeters)

Depth: 2.25 inches (6 centimeters)

includes mounting flanges

Electrical

Input power: (use either)

DC Voltage: 9–35 VDC, 400mA max.

AC Voltage: 100–240, 200mA max. with UL listed wall transformer.

Communication protocol: proprietary

No user replaceable parts inside.

WARRANTY & CUSTOMER SERVICE

Warranty

The CHARLES Marine & Industrial Group warrants the Remote Enunciator will be free from defects in materials and workmanship which cause mechanical failure for one (1) year, as set forth in the Limited Warranty. Notice of any alleged defect in material or workmanship must be provided within thirty (30) days of discovering the problem, and within the warranty period.

Customer Service

For technical assistance or customer service, contact Charles Marine Products at:

Charles
Marine & Industrial Group
400 S.E. 8th Street
Casey, Illinois 62420-2054
800-830-6523 (Toll Free)
217-932-2317 (Voice)
217-932-2473 (FAX)

Call to obtain a Returned Materials Authorization (RMA) number prior to returning a unit to Charles.

Most repaired or replaced units will be returned within 30 days, depending on the product type and availability of repair parts. Repaired units are warranted for either 90 days from the date of repair or for the remaining unexpired portion of the original warranty, whichever is longer.

Correspondence can be sent to Corporate Headquarters via the address below:

Note: Do not return the unit to this address.

Charles
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5600 Apollo Drive
Rolling Meadows, IL 60008-4049
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847-806-6300
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Appendix A

