

Remote Distance Sign

with radio keypad option

Instruction Manual

Introduction

Congratulations on the purchase of your 15” LED remote distance sign from Agri-Tronix Corporation. This sign is the result of several years of engineering and design and provides a portable large digit sign that will provide years of service.

Although this sign is designed to be used outside it is not designed for permanent outside installations. The enclosure sealing on this sign was not designed to keep out moisture from rain or snow. It is recommended that the sign be covered with a clear plastic cover if being used in rain or snow applications.

Overview

This system consist of a 15” LED sign and a wireless remote keypad. The LED sign is powered with 12-15 Volts DC current.

Connector pinout:

PIN A _____ 11-15VDC positive
PIN B _____ Ground

**DO not apply 110 volts AC to the sign.
Expensive damage will occur!**

The current draw on the sign is 2.75 amps with all digits on and typically averages 1.5 amps average. A small car style lead-acid battery will power this sign for over 60 hours on a single charge.

The keypad is equipped with a radio transmitter that has a distance of over 500 feet. The unit has an internal high gain antenna. It is powered by a standard 9-volt Alkaline battery. The run time of the battery can vary from 6 hours to 40 hours depending on how many transmissions are sent and if the unit is powered off between updates.

This system is pre programmed at the factory and is ready to use out of the box. Apply 12-15 volts DC power to the sign, insert the 9-volt battery in the keypad, press the “SIGN 1” key and enter a number. Press the “enter key” and the value keyed in will display on the remote sign.

Keypad Operation

The keypad is standard numeric keypad layout with 3 “special function” keys located at the top of the keypad.

Power indicator



ON/OFF switch

This keypad is has the ability to operate two different signs.

Press the key labeled “SIGN 1” and then enter a number. Pressing the “ENTER” key will cause the radio transmitter to send the value to sign 1.

Pressing the key labeled “SIGN 2” and then entering a number followed by pressing the “ENTER” key will send the value to sign 2.

Pressing the key labeled “Full Pull” will scroll the words “Full Pull” across the sign board. The words will be sent to the sign that was last accessed with the “Sign 1” or Sign 2” key.

The decimal point is assumed and can be entered or not. The keypad radio transmits the last 5 keys that were pressed when the “Enter” key is pressed. So, if you should press 13 keys and then press the “Enter” key, only the last 5 keystrokes will be sent to the sign.

To clear the distance sign of all digits press the zero key and then the “Enter” key. Clearing the sign of all digits drops the current draw down to 180 ma (.2 amps) and conserves battery power at the sign.

Note: The keypad will remember which sign was last used even when the keypad is powered Off and back On.

Note when using two signs: When the LED sign is first powered up the sign will display “123.45” if it is sign one. If it is programmed for sign two it will display “678.9A”.

The sign number and radio frequency are pre-programmed at the factory and cannot be changed.

FAQ (Frequently Asked Questions)

Q. The LED sign does not display any numbers when powered up.
A. Check the battery voltage. It must be at least 11 volts for the sign to work properly. The decimal point should be lit and bright.

Q. I enter a value, press the “Enter” key and nothing happens”.
A. First be sure that the correct sign is selected by pressing the “Sign 1” or “Sign 2” keys first. Next change the 9-volt battery with a fresh alkaline battery.

Q. Can I use my sign with the Agri-Tronix measuring system?
A. Yes, if the hardware was installed at the factory to receive the information from the sled monitor system. If you don’t have this optional hardware, your sign can be updated at the factory.

Q. Can I use my keypad or signs with another clubs keypads or signs?
A. No, the signs and keypads each have a unique frequency programmed at the factory so that multiple signs and keypads can be used at the same event.

Q. Can I purchase a second keypad?
A. Yes, we will need to know what channel you sign is programmed for. This can be found on a tag in the 9-volt battery compartment of the keypad.

Q. I have a question about my system, who can I contact?
A. We have free technical support at the factory. We can be contacted at 1-800-445-5058 and you can contact us on the web at:

www.agri-tronix.com

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