

RM3250 Installation & Configuration Quick Reference Guide

Required Tools

- Anti-static wrist strap
- Appropriate tools for connecting wires to device
- Voltmeter
- Small slotted screwdriver

Installing the Equipment

- Magnet
- Laptop (with Microsoft[®] Windows[®])
- Bullhorn[®] Tools

Optional Tools

- Wire stripper and wire cutter
- USB Bluetooth dongle or mini-b USB cable
- Bullhorn[®] Tools Mobile app

The following procedures are general steps for a typical installation. For specific instructions, see the *RM3250 User Guide* available from your website account under the **Help** menu.

WARNING: To prevent electrostatic discharge (ESD) damage when handling electronic equipment, always wear an anti-static wrist strap attached to an unpainted, grounded metal object. Ensure the wrist strap has maximum contact with bare skin.

WARNING: To keep exposure of radio frequency energy below limits mandated for permissive exposure, do not operate the RM3250 within 20 cm of any part of the body.

WARNING: Before beginning any wiring to the RM3250, disconnect all equipment from hazardous voltages.

WARNING: Explosion Hazard - Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.

WARNING: Explosion Hazard - Substitution of any components may impair suitability for Hazardous Locations.

WARNING: Explosion Hazard - Do not replace/remove batteries unless the area is known to be non-hazardous.

WARNING: DO NOT remove unit dome from base unless location is known to be non-hazardous.

WARNING: The RM3250 is intended for use only with Lithium-Ion and Lithium battery cells. Only a trained service technician should service or replace the batteries in the RM3250. When changing batteries, change all of the batteries at the same time.

NOTE: For all safety precautions for wiring power supply and unit inputs, refer to the *RM3250 User Guide*.

IMPORTANT EQUIPMENT NOTES

This equipment is suitable for use in Class I, Division 2, Groups A, B, C, D Hazardous Locations or Non-Hazardous Locations. See **page 3** of this guide for more information on location considerations for the RM3250.

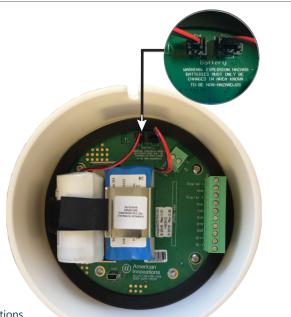
Mount Base and Connect External Device

- 1 Attach base to bracket on a secure location, such as a pole, that is near the external device.
- 2 Bring wires connecting the external device up through the bottom of the flat base.
- 3 Connect the external device to the 10-pin connector terminal block.
- 4 Connect the terminal block to the RM3250 connection.

NOTES: The maximum cable length for RS232 is 50 feet. Flow control lines are static and cannot change states.

Install and Connect Batteries

- Install the two batteries into the bracket on the RM3250, as shown. Secure with strap. Note position of each battery.
- 2 Connect the 2-pin battery connector to the corresponding Battery connection (labeled P4) on the RM3250.
- 3 Connect the 3-pin battery connector to the corresponding Battery connection (labeled P3) on the RM3250.

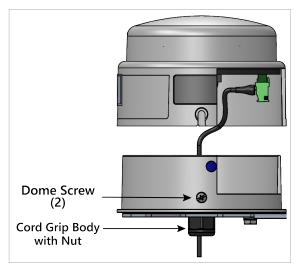


Unit Batteries and Connections

Secure RM3250 Unit

- Place the RM3250 unit onto the base by lining up the Bullhorn label with the blue circle on the flat base. The unit will slide over the two dome base screws.
- **2** Secure the unit by tightening the two dome base screws.

NOTES: Torque Dome Screws to 10-12 In-lbs. Torque Cord Grip Body to 60 in-lbs. Torque Cord Grip Gland Nut to 30 in-lbs.



Unit Installed on Mounting Bracket

Configure RM3250 for Service

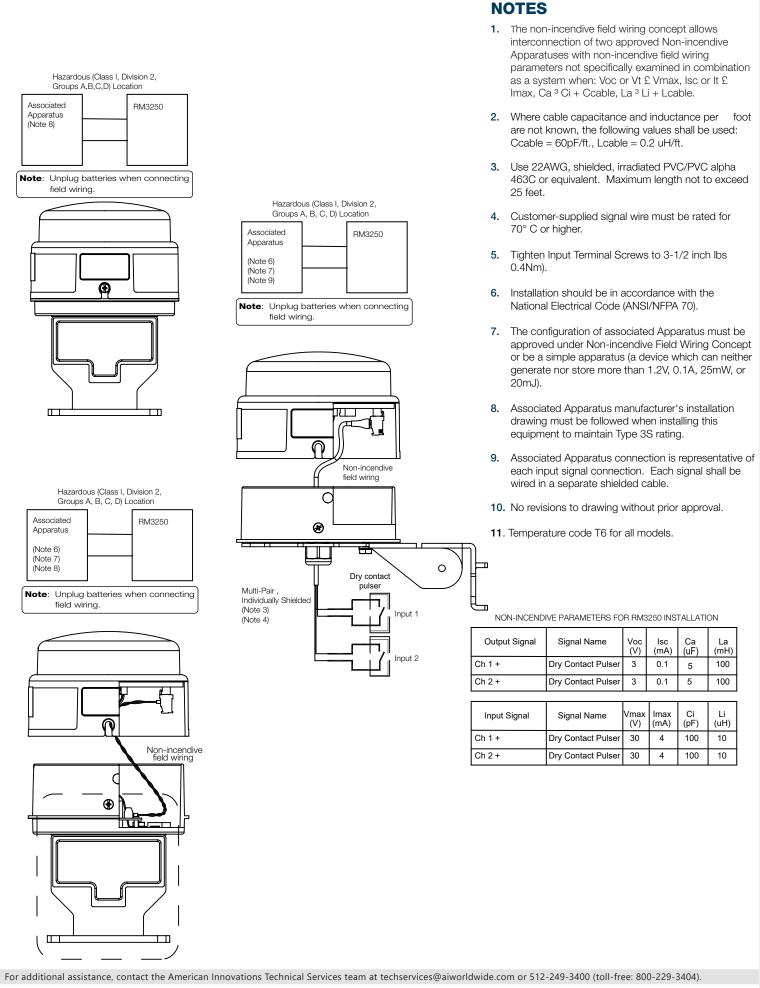
Bullhorn **RM3250** units can be configured using Bullhorn[®] Tools (available from **Bullhorn Web Help**). If using Bullhorn Tools on a computer, you will need either the USB Bluetooth dongle or a mini-b USB cable to communicate with the unit. The following provides general steps to configure the **RM3250** for service. For complete instructions, refer to the Bullhorn Tools **Help** menu or the user manual (found on **Bullhorn Web Help**). Optionally, you can use the Bullhorn Tools Mobile app on either an Android or iOS mobile device to configure the unit.

- 1 Swipe a magnet across the access point on the **RM3250** unit dome. The indicator light will blink on/off, which indicates that the unit is on and looking to pair.
- **2** Insert USB Bluetooth dongle or connect the USB cable to laptop and unit. If using the mobile app, enable Bluetooth on your device.
- 3 Start Bullhorn Tools.
- 4 Set **Serial Settings**, enable or disable **Readings** (registers), and configure the enabled registers, including digital inputs, as necessary.
- **5** Send a test message to verify communication to the Bullhorn Web account.
- 6 When finished, close Bullhorn Tools. The RM3250's Bluetooth connection will disconnect automatically (usually within 10 minutes), or swipe the unit with the magnet again to disconnect immediately.



Unit Bluetooth Activated

For additional assistance, contact the American Innovations Technical Services team at techservices@aiworldwide.com or 512-249-3400 (toll-free: 800-229-3404).
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