

Required Tools

- ▶ Anti-static wrist strap
- ▶ Appropriate tools for installation and wiring
- ▶ Socket set/adjustable wrench
- ▶ Voltmeter
- ▶ Magnet
- ▶ Smartphone or tablet with iOS 8.1 or Android 7 or later
- ▶ Bullhorn[®] Tools Mobile

Optional Tools

- ▶ Small slotted screwdriver
- ▶ Wire stripper and wire cutter
- ▶ Amp clamp

Installing the Equipment

The following procedures are general steps for a typical installation. For specific instructions, see the *RM4200 Series User Guide* (part no. 122206-000) 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 **RM4211** within 20 cm of any part of the body.

WARNING: Before beginning any wiring to the **RM4211**, disconnect all equipment from hazardous voltages.



NOTE: For safety precautions for wiring power supply and unit inputs, see *RM4200 Series User Guide*.

1

Prepare for Installation

For pole or surface mounting - attach flat base adapter to adjustable bracket. Install a 1/2" fitting into bottom opening on the base.



For test station mounting - slip test point adapter over and onto the test station. Rotate adapter clockwise until it is firmly secured on the test station.

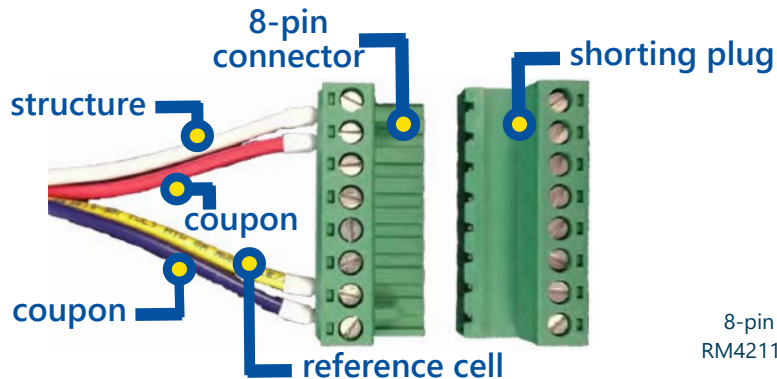
Adapter on Test Station



2

Make Connections From Device to RM4211

- 1 Connect **RM4211** to the device to be monitored using either the included wired connector (test station) or existing wiring from the device (such as a rectifier).
- 2 If connecting **RM4211** to a Bullhorn-ready coupon test station, remove the shorting plug from the 8-pin connector before connecting it to the **RM4211**.

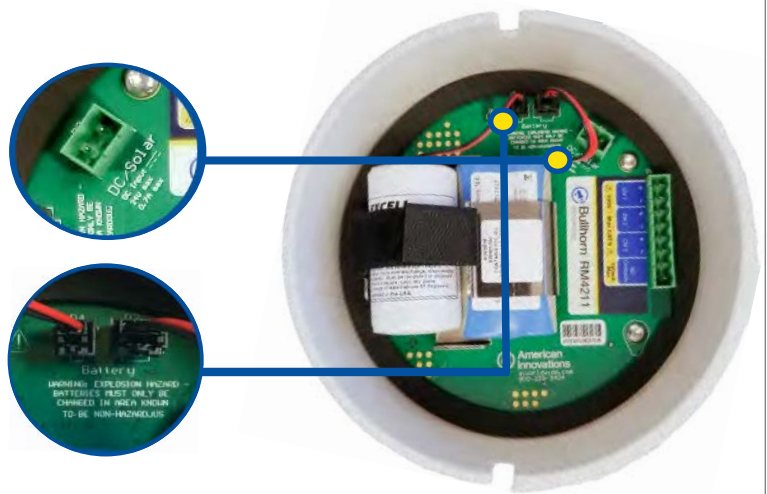


8-pin Connector for RM4211 and Test Station

3

Install Batteries and Connect Wires

- 1 Install the two batteries into bracket on the RM4211, as shown. Secure with strap. Note position of each battery.
- 2 **OPTIONAL** - Connect a solar panel or DC input to the **DC/Solar** connector on the RM4211.
- 3 Connect the two battery connectors to the battery connections on the **RM4211**. The unit will make a clicking sound, which indicates that the unit has powered on.



4

Secure RM4211 on Bracket or Test Station

For pole or surface mounting - place RM4211 on flat base adapter, with screws lining up with dome cut-outs. Secure the unit by tightening the screws.



RM4211 on Bracket


For test station mounting - place RM4211 onto the adapter by lining up the Bullhorn label with the blue circle on the adapter. Secure the unit by tightening the screws.

RM4211
on Test Station Adapter

5

Configure RM4211 for Service

RM4211 units can be configured using Bullhorn® Tools Mobile for either an iOS or Android device. The following are general steps to configure the **RM4211** for service using the mobile app.

- 1 Swipe a magnet across the access point (marked by a triangular indentation on the dome) on the **RM4211** unit dome. The indicator light will blink on/off, which indicates that the unit is on and looking to pair.
- 2 Ensure that Bluetooth has been enabled on your device.
- 3 Start Bullhorn Tools Mobile.
- 4 Tap the name of your unit on the Search screen.
- 5 Tap Refresh to update all enabled measurements.
- 6 Tap  and then Send a Test Message to verify installation measurements and to update the satellite signal strength reading. Optimum level for Radio SNR is 40 dB or greater. View the Radio SNR value on the Info screen.
- 7 Tap a Reading to refresh/view/edit measurements, set alarms, or configure as desired.
- 8 When finished, close Bullhorn Tools Mobile. The **RM4211** will disconnect automatically (usually within 5 minutes); or swipe with magnet again to turn off indicator light.



RM4211 Unit Activated