



A760 Proximity Locator



The A760 Proximity Locator is a battery-powered radio signalling device used in coordination with proximity-enabled personnel badges to answer “Who Did?” questions: Who pushed that button? Who opened the freezer? Who accessed the tool shed?

Features & Benefits

- ♦ **Short-Range Event Proximity Alerting**
- ♦ **Long-Range RF Message Broadcast**
- ♦ **Simple Wall-Mount Installation**
- ♦ **User-Configurable Settings**
- ♦ **Adjustable Intensity and Coverage Patterns**
- ♦ **Designed for use with Proximity Badges**
- ♦ **Powered via three (3) AA Batteries**

When triggered by an event action, Proximity Locators transmit short-range encoded signals that provide a method for locating people and correlating events within tightly-defined coverage areas (typically 6 feet). The Proximity Locator transmits an RF pulse pattern containing a unique code that creates an event perimeter surrounding the physical space of the event. These RF pulses immediately establish communication with all proximity-enabled personnel badges in the event space. When used with RF Code's Asset Manager or other 3rd-party software, the solution enables tracking of who did what, when and where.

R142 Proximity Badges monitor their environment for incoming RF signals and periodically report both their own unique ID and any applicable payload messages. When an event is triggered, the Proximity Badge completes an RF handshake with the Proximity Locator. If multiple badges are within the event perimeter, the A760 will determine the closest badge tag based on the received signal strength indication (RSSI). The strength of the signalling and confirmation thresholds can be adjusted via firmware to fine-tune the event coverage perimeters. Tag transmissions are processed in real-time to quickly locate and identify the badged personnel associated with particular events.

IR-enabled badge tags monitor their environment for incoming IR signals and periodically report both their own unique ID and the applicable IR location code. Tag transmissions can be processed in real-time to quickly locate and identify tagged personnel with room-level accuracy. Proximity events identify badged personnel with sub-room location precision. Since the locations are determined via IR signalling with room address and proximity addresses, it is easy to discriminate from room-to-room and also identify badged personnel in adjacent rooms, without deploying multiple overlapping readers or triangulation algorithms.

The strength of the proximity signals can be adjusted, with typical coverage perimeters measuring ~6 feet.

With simple installation, modular design and low price, Proximity Locators provide an economical solution to a wide variety of association applications, such as determining who enters remote locations, automated tool check-in / check-out, and movement / removal of shared assets by authorized personnel.

Used in conjunction with RF Code's R142 Proximity Bdges, the A760 Proximity Locator provides a method for locating people and correlating events within a tightly-defined coverage areas (typically 6 feet).



RF Code A760 Proximity Locator Specifications

OPERATION

Operating Frequency (long-range)	433 MHz
Operating Frequency (proximity)	915 MHz
Configuration	Via Proximity Locator Utility (PLU)
Event Trigger	Magnetic via Tethered Reed Switch
Indicators	Power and Event LED

RANGE

Event Notification	Up to 300 feet
Proximity Event Perimeter	~6 feet typical (adjustable via PLU)

ENCLOSURE

Base Maximum Width	4.0 in (101.6 mm)
Base Maximum Height	8.0 in (203.2 mm)
Depth (Installed)	1.3 in (33.0 mm)
Unit Weight	11.2 oz (318 grams)
Enclosure Construction	ABS plastic enclosure with integral metal plate
Reed Switch Tether Length	18.0 in
Mounting Options	Adhesive pads or screws/anchors (included)

ENVIRONMENTAL

Operating Temperature	40° F (4.5° C) to 140° F (60° C)
Operating Humidity	5% to 95% non-condensing

ELECTRICAL

Power	Three (3) AA batteries
Battery Life	>4 years at 100 events per day