A762 Proximity Locator (Embedded Module)

RF Code™ Locators

The A762 Proximity Locator is a radio signaling device, designed for use with the GOJO® LTX® line of soap and hand sanitizer dispensers, to be used with proximity-enabled personnel badges.

Features & Benefits

- *Short-Range Event Proximity Alerting*
- *Long-Range RF Message Broadcast*
- *Modular, Embedded Design for Installation in GOJO LTX Dispensers*
- *User-Configurable Settings*
- *Adjustable Intensity and Coverage Patterns*
- *Designed for use with Proximity Badges*

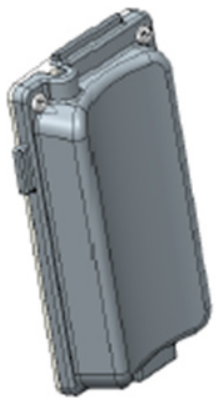
The A762 Proximity Locator (Embedded Module) is a radio signaling device, designed for the GOJO LTX family of soap and hand sanitizer dispensers, to be used in coordination with proximity-enabled personnel badges for hand hygiene monitoring.

When triggered by a dispense event, the embedded Proximity Locator transmits short-range encoded signals that provide a method for locating badged personnel 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 dispenser. 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 and corellation of who engaged with a given dispenser, including event-specific date and time stamps.

R142 Proximity Badges monitor their environment for incoming RF signals and periodically report both their own unique ID and any applicable payload messages. When dispense events are triggered, the Proximity Badges complete RF handshakes with the Proximity Locator. If multiple badges are within the event perimeter, the A762 determines the closest badge tag based on the received signal strength indication (RSSI). Confirmation messages are sent via short- and long range RF and the 'winning' badge emits an audible beep that serves as feedback to the bearer of the badge. The strength of the signalling and confirmation thresholds can be adjusted via firmware to fine-tune the event coverage perimeters. RF transmissions are processed in real-time to quickly locate and identify the badged personnel associated with particular dispense events.

IR-enabled badge tags monitor their environment for incoming infrared signals and periodically report both their own unique ID and the applicable IR location code. Tag transmissions are 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 signaling 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.

With simple installation, modular design and low price, A762 Proximity Locators provide an economical solution for hand hygiene compliance monitoring.



Used in conjunction with RF Code R142 Proximity Badges, the A762 Proximity Locator works with the GOJO LTX family of soap and hand sanitizer dispensers to assist with recording personnel hand hygiene activties, and helps ensure hygiene policy compliance.

RF Code A762 Proximity Locator Specifications

OPERATION	
Operating Frequency (long-range)	433 MHz
Operating Frequency (proximity)	915 MHz
Configuration	Via Proximity Locator Utility (PLU)

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

ENCLOSURE	
Base Maximum Width	1.630 in (41.4 mm)
Base Maximum Height	2.76 in (70.1 mm)
Depth (Installed)	0.64 in (16.3 mm)
Unit Weight	0.9 ounces (25 grams)
Enclosure Construction	ABS plastic enclosure
Mounting Options	Embedded module for GOJO LTX Dispenser

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

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