A750 Room Locator

The A750 Room Locator, used in conjunction with RF Code IR-enabled asset tags, enables accurate and affordable room-level asset location awareness.

Features & Benefits

- *Room-Level Location Accuracy*

- *Simple Installation*

- *Encoded Infrared Transmissions*

- *User-Configurable Location Settings*

- *Adjustable Intensity and Coverage Patterns*

- *Options for Wall Mount or Ceiling Mount*

- *Field Upgradeable Firmware*

- *Designed to Embed an IR-enabled Tag for System Monitoring*

- *Optional Power Configurations*

The Room Locator is an IR (infrared) signaling unit used with IR-enabled tags to provide a method of locating tagged assets. Each Room Locator transmits an infrared pulse pattern containing a unique 3-digit location code. The strength of the IR transmissions can be manually adjusted, with typical coverage perimeters measuring 35 feet. Coverage zones are limited by solid physical structures such as walls, however IR transmits easily within line-of-site, and signal bouncing effectively floods the entire room with the location code.

IR-enabled 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 assets or personnel with room-level accuracy.

With simple installation, modular design and low price, Room Locators provide an economical solution to a wide variety of asset tracking problems. Large populations of tags can be monitored using a single reader. Since the location of tagged assets is determined via IR status reports, there is no need for deploying multiple overlapping readers, signal strength calculations, or complicated triangulation algorithms.

The A750 has a discrete dome form factor that is 4.46 inches in diameter by 1.36 inches in depth. The A750 backplate also serves the mounting bracket. Two screws attach the A750 unit to the wall or ceiling, after which the cover snaps onto the mounting plate.

Easy to install and affordable, the A750 transmit a uniqie IR signature that enables room-level accuracy tracking solutions when used with IR-enabled asset tags.

RF Code A750 Room Locator Specifications

OPERATION

Configuration	User managed via Room Locator Utility
Operating Frequency	36 kHz
Power Control	Adjust from 10%-100%
Indicators	Power and initialization

RANGE

Distance	Up to 35 feet (10 meters) typical

ENCLOSURE

Length	4.46 in (11.3 cm)
Width	4.46 in (11.3 cm)
Height	1.36 in (3.5 cm)
Weight	6.6 oz (186 g)
Case	Injected molded plastic
Mounting	Ceiling, wall-mount, or desktop operation

ENVIRONMENTAL

Operating Temperature	-20° C to +70° C
Storage Temperature	-40° C to +80° C
Operating Humidity	10% to 90% non-condensing

ELECTRICAL

Power	24V AC or 12-24V DC (minimum 12 Watt)