

Dual Technology Transmitters

***Panic Transmitters for
Verification of Accurate
Indoor Location***



MCT/IR-201 S

MCT/IR-201 WP S

Applications

- Personal security in multi-story buildings and indoor parking lots

Features

- Microprocessor-controlled personal transmitter
- Dual technology, UHF and IR transmission, for efficient location identification
- Every transmitter has its own factory-programmed 24-bit digital ID code
- Accurate holder identification from more than 16 million possible identification codes
- Low battery indication and reporting
- Supplied with a neckchain and a key ring
- Waterproof version for water depth of 10m

Description

MCT/IR-201 S is a miniature, microprocessor-controlled personal RF+IR transmitter. *MCT/IR-201 WP S* is the waterproof version of *MCT/IR-201 S*. In networks based on RF transmission only, alert calls may be picked up by more than one receiver, especially if receivers are located in adjacent rooms on the same floor or on above or below floors. The main benefit of using dual (RF+IR) technology is that it can aid in accurately pinpointing the user's (transmitter's) location in a multi-story building.

Target **SR-520** series receivers pick up the RF+IR transmissions and report the transmitter's ID code and alert code, via the SpiderBus and **SLC-5**, to the main monitoring station.



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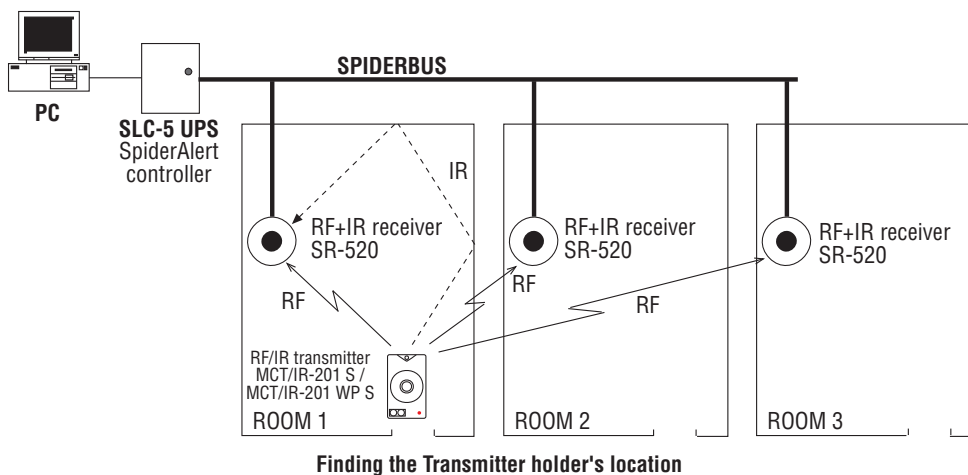
Specifications

Frequency (MHz): 315, 404, 418, 433.92, 868
IR Transmission Range: 10 m (30 ft) maximum with unobstructed line of sight, indoors only
Transmitter ID: 24-bit digital word, more than 16 million code combinations; pulse width modulation
Transmission Duration: Limited by timer to 5 seconds
Power Supply: 12-volt alkaline battery (Duracell MN-21, Golden Power GP-23A, or equivalent)
Current Consumption: 12 mA (during transmission only)

Battery Life: 30 minutes of continuous transmission
Battery Check:
 Low battery signal transmission
 Low battery - LED flashes on transmission
 Good battery - LED lights steadily on transmission
Low Battery Threshold: 8 VDC
Operating Temperatures: 0 °C to 49 °C (32 °F to 120 °F)
Dimensions: MCT IR-201S: 32 x 53 x 17 mm (1-1/4 x 2-1/8 x 11/16 in.)

MCT IR-201 WP S:
 39 x 60 x 18 mm (1-7/16 X 2-5/8 X 5/8 in.)
Weight: MCT/IR-201 S: 22 gr. (0.7 oz.)
 MCT/IR-201 WP S: 40 gr. (1.4 oz.)
Color: MCT/IR-201 S: White, Button: turquoise
 MCT/IR-201 WP S: Transparent violet, button: violet
Compliance with Standards:
 FCC ID: GSAWTIR201
 CANADA: 1467 102 270
 PATENTS: U.S. PATENT: 5,661,471

Configuration



Description

The receiver in Room 1 receives RF transmission (directly) and IR signal (indirectly, due to reflection off wall). It reports that RF+IR signals were received.
 The receivers in Room 2, and in other rooms, receive the RF signal only. They report that only the RF signal was received. As a result, the main monitoring station personnel knows that the exact location of the holder of the transmitter is in Room 1.

ORDERING INFORMATION:

Product Name	Cat. No.	Description
MCT/IR-201 S (315)	1-2401-0	Pendant RF+IR transmitter 315 MHz
MCT/IR-201 S (418)	1-2403-0	Pendant RF+IR transmitter 418 MHz
MCT/IR-201 S (404)	1-2404-0	Pendant RF+IR transmitter 404 MHz
MCT/IR-201 S (433)	1-2405-0	Pendant RF+IR transmitter 433.92 MHz
MCT/IR-201 WP S (315)	1-2406-0	Waterproof Pendant RF+IR transmitter 315 MHz
MCT/IR-201 WP S (418)	1-2408-0	Waterproof Pendant RF+IR transmitter 418 MHz
MCT/IR-201 WP S (404)	1-2409-0	Waterproof Pendant RF+IR transmitter 404 MHz
MCT/IR-201 WP S (433)	1-2410-0	Waterproof Pendant RF+IR transmitter 433.92 MHz

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