

# SpiderAlert®

## Dual Technology Receivers

***When Accurate Indoor  
Location Is a Must***



### Applications

- Personal security in buildings
- Accurate location of caller in a multifloor or multiroom facility
- Interface units between various SpiderAlert RF+IR transmitters and the SpiderBus

### Features

- Dual technology, for accurate location of the caller
- Microprocessor-controlled
- Unique 8-bit ID number on a single SpiderBus
- Continuous supervision for trouble indication
- Tamper event reporting
- Ceiling or wall mounting
- Internal RANGE control for sensitivity adjustment
- PC-controlled output to sound alarm, switch on lights, open doors, etc.
- Optional plastic cover fits vandalproof housing

### Description

The main benefit of using dual (RF+IR) technology is that it can aid in accurately pinpointing, a user's (transmitter's) location in a multistory building.

**SR-520** is an RF+IR receiver. **SR-521** is an RF+IR receiver that serves as a base station for several **SR-522** IR receivers. All of these units are designed for use in the SpiderAlert network. Using one common **SR-521** RF+IR receiver with several lower-cost **SR-522** IR receivers, allows significant system cost reduction. Signals received from SpiderAlert dual technology transmitters are delivered to the SpiderAlert main station, together with their 8-bit ID number, thus allowing the main station to distinguish it from other system transmitters.

**SK-1** is an indoor vandalproof enclosure for single and dual technology receivers.



# Dual Technology Receivers

## Specifications

	SR-520	SR-521	SR-522
Technology	RF+IR		IR
Operating Frequency (MHz)	315, 404, 418, 433.92, 868		-
Encoding	Factory-programmed, changeable on site, 8-bit ID number		
Operating Voltage Range	10 - 16 VDC		
Current Consumption	15 mA		
Open Collector Output Cur. Sinking	100 mA	Output terminal is used for interconnection	
Operating Temperature Range	0° C to 49° C (32° F to 120° F)		
Dimensions (Diameter x H)	86 x 24 mm (3-3/8 x 15/16 in.)		
Weight	66 g (2.3 oz)		57 g (2 oz)
Color	White; IR window - dark red		
Optional Accessory	SK-1, SK-2 Plastic enclosures vandalproof		

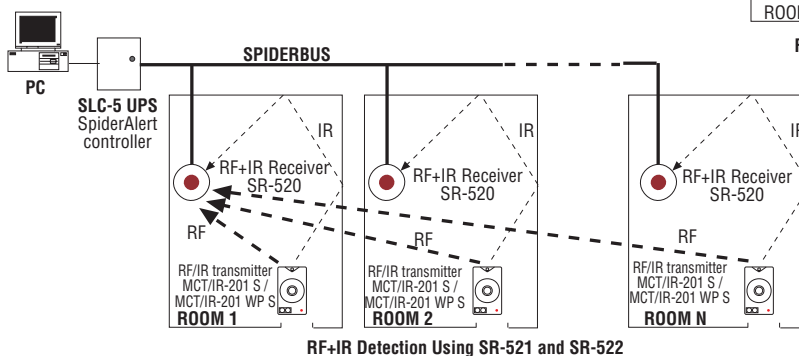
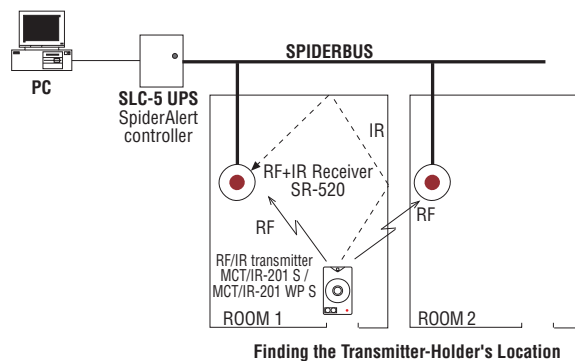
## Configurations

### 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. Therefore, they report that only the RF signal was received. As a result, the main monitoring station personnel knows that the exact location of the transmitter is in Room 1.



## ORDERING INFORMATION:

Product Name	Cat. No.	Description
SR-520	1-323X-0	SpiderAlert RF+IR receiver
SR-521	1-323X-1	SpiderAlert RF+IR receiver (base station for SR-522 IR receivers)
SR-522	1-3236-0	SpiderAlert IR receiver
SK-1	1-9977-1	Vandalproof enclosure cover
SK-2	1-9977-2	Vandalproof enclosure cover

X = 1 FOR 315 MHz  
 X = 3 FOR 418 MHz  
 X = 4 FOR 404 MHz  
 X = 5 FOR 433.92 MHz

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