



## GE Motion Sensors

## Product Information

[www.GE-Interlogix.com](http://www.GE-Interlogix.com)

### Overview

*PrecisionLine™ dual technology motion sensors offer new, easy solutions for your most challenging residential or commercial applications. Using a sophisticated combination of precision controlled microwave and passive infrared (PIR) technologies, these sensors give you total Coverage-on-Demand™.*

*The PrecisionLine dual technology motion RCR-90 sensor reduces installation and training time since the installer is not required to make any complicated adjustments to the sensor. A jumper switch allows you to quickly select from a variety of precise range settings of 60, 70, 80, and 90 feet to optimize coverage.*

*Coverage-on-Demand ensures that the sensor detects only objects within a precise area, and not in adjacent rooms or outside—a common problem for less sophisticated dual technology sensors.*

*The sensor works like sonar on a submarine, transmitting radar signals that “ping” the coverage area, then bounce back to the sensor on the same path. Objects that are out of the covered range are ignored.*

*For high security installations that require quicker detection, radar-only stealth mode is available. Designed for flexibility, the PrecisionLine sensor is an ideal solution for a variety of challenging commercial and residential applications.*

## **PrecisionLine™** Dual Technology Motion Sensor RCR-90



### Standard Features

- **Exclusive range-control technology up to 90'**
- **Use radar-only stealth mode for mounting in high security applications**
- **3 color LED indicator**
- **Tamper contacts**
- **Form C relay**

# PrecisionLine™

Dual Technology Motion Sensor  
RCR-90

## Applications



Pharmacy  
60' Range

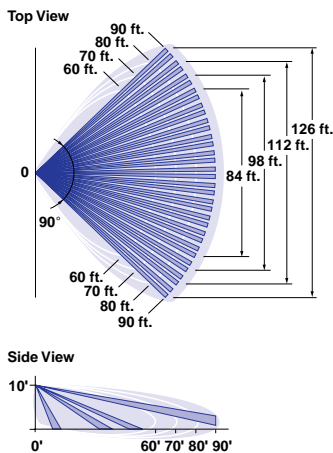


Restaurant  
80' Full Range



Warehouse  
90' Full Range

## Lens Coverage



## Coverage-on-Demand™ Advantage



PrecisionLine™ provides four distinct coverage zones, each with separate alarm thresholds. It recognizes only the reflections from objects within the coverage area. Outer zones can easily be turned off via a jumper switch.

## Specifications

### Dimensions

3.5" W x 3.1" D x 6.1" H  
(89 x 79 x 155mm)

### Weight

6.8 oz (193g)

### Color

White

### Detection range

90' (27m) x 126' (38m) ± 15%  
80' (24m) x 112' (34m) ± 15%  
70' (21m) x 98' (29m) ± 15%  
60' (18m) x 84' (25m) ± 15%

### Microwave Frequency

5.8GHz

### FCC ID:

C GGARZ

### Mounting height

8 to 12' (2.4 to 3.7m)

### Field wiring size

14–24 AWG

### Target velocity

0.5 ft/sec to 5 ft/sec

### Alarm duration

5 sec ± 10%

### Environmental

#### Operating temperature

32° F to 122° F (0° C to 50° C)

#### Relative humidity

5-93% non-condensing

### Electrical

#### Input voltage

8.5-18 VDC (UL: 10-16 VDC)

#### Typical current

23mA (LEDs off)

#### Max current

35mA

#### Relay rating

28 VDC, 100mA max

#### Electrical Configuration

Form C

#### Tamper

100mA, 40 VDC

## Ordering Information

Model	Description	Listing
RCR-90	PrecisionLine Dual Technology Motion Sensor, range-controlled radar, passive infrared technology, Form C relay, tamper contacts, stealth mode, selectable range of 60, 70, 80 and 90 feet with 90° field-of-view	C-UL-US, FCC
RCR-50	50' PrecisionLine Dual Technology Motion Sensor, Form C relay, tamper, stealth mode	C-UL-US, FCC
RCR-PET	35' PrecisionLine Dual Technology Motion Sensor, Pet Immune up to 80lbs, Form A relay	C-UL-US, FCC
RCR-A	35' PrecisionLine Dual Technology Motion Sensor, Form A relay, stealth mode	C-UL-US, FCC
RCR-C	35' PrecisionLine Dual Technology Motion Sensor, Form C relay, tamper, stealth mode	C-UL-US, FCC



www.GE-Interlogix.com

12345 SW Leveton Drive  
Tualatin, OR 97062  
Phone: 503-692-4052  
USA & Canada: 800-547-2556  
Technical Service: 800-648-7424  
Faxback: 800-483-2495

2266 Second Street North  
North St. Paul, MN 55109  
Phone: 651-777-2690  
USA & Canada: 800-777-5484

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