

RCR

Range control radar

11m dual technology sensor

Overview

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

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.

With the RCR-PET model, each zone is factory calibrated to ignore animals up to 36 Kgs, and still detect human-size objects. 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. The sensor determines the attributes of an object by calculating its size and distance from the sensor. This allows it to ignore pets such as cats and dogs without any loss of detection.

For high security installations that require quicker detection, radar-only mode is available except in RCR-PET. Designed for flexibility, the Range Control Radar sensors are ideal solutions for a variety of challenging commercial and residential applications.



Features

- Exclusive range-control technology
- Use radar-only mode for stealth mounting in high security applications
- RCR-PET can ignore animals up to 36 Kg

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Specifications

Electrical

Input voltage	8.5-18VDC (10-16VOL)
Typical current	27mA
Max current	35mA
Relay rating	28VDC, 100mA max

Environmental

Operating temperature	32° to 122°F (0° to 50°C)
Relative humidity	5-93% non-condensing

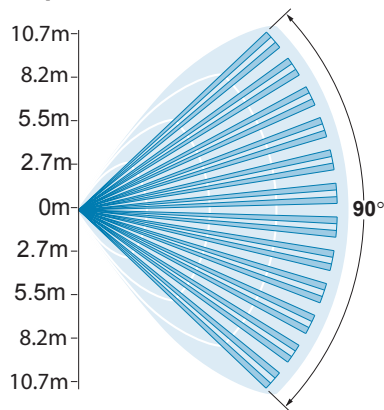
Physical

Dimensions (W, D, H)	71 x 58 x 130 mm
Colour	White

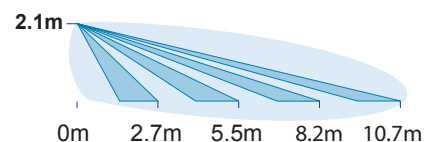
Features

Radar frequency	5.8 GHz
Detection range	15.2m x 90°, 10.7m x 90°
Target velocity	0.5 ft/sec to 5 ft/sec
Alarm hold time	5 sec ± 10%
Range Settings	2.7m, 5.5m, 8.2m, 10.7m
Mounting Height	RCR-C 2.1-2.7m, RCR-PET 2.1-2.4m
Field wiring size	RCR-C 12-24AWG, RCR-PET 12-22AWG

Top View



Side View



Ordering Information

RCR-C	Range Control Radar - 11m Motion Dual Tech, Form C relay, tamper, stealth mode
RCR-PET	Range Control Radar - 11m Motion Dual Tech, Pet Immune up to 36 Kg

Specifications subject to change without notice.

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