

LC-224 PIR Motion Detector with Pet Immunity and Form C relay



Key Features

- Fully digital PIR
- LODIFF ® optics technology and POLY IR ® materials create a perfect combination of highest quality and efficiency
- Compatible with any hardwired control panel
- Internal EOL resistors built-in
- Double tamper (case / wall) protection
- White light protection and high RFI immunity
- Dual detector (PIR + Microwave)
- Form C relay

The new LC-2xx line of hardwired detectors represents the best choice for residential and industrial security installations.

LC-224 is a fully digital PIR detector. It was designed to deliver unprecedented detection accuracy compared to traditional detectors with analog PIR and digital processing.

Highest quality and detection efficiency of LC-224 is achieved thanks to lenses designed using LODIFF ® technology and made from POLY IR ® materials.

In order to simplify installation and shorten its time, the LC-224 features built-in EOL resistors with values required by PowerSeries Neo and PRO control panels. Installer may however choose not to use them and utilize own resistors for compatibility with any other hardwired control panel.

The overall security of the installed system is further increased with double tamper protection (case opening and tearing from the wall).

LC-224 is a dual technology detector. It consists of a PIR sensor and a microwave sensor, working in parallel, to reduce number of false alarms, especially in harsh environment. Both sensors need to detect movement in order for alarm to be triggered.

For higher flexibility or special requirements, the detector can trigger an alarm only upon detection from single source (PIR or Microwave). It also has an automatic mode where 5 detections by Microwave sensor in 60 seconds will trigger an alarm regardless of PIR sensor state. The detector incorporates a Form C relay, which switches from Normally Closed to Normally Open positions.

Specifications

Range	15 meters
Field of view	100 degrees
Lens	Fresnel lens with LODIFF © technology and POLY IR ©4 materials
LED color	Green (PIR), Yellow (MW), Red (ALARM)
Walk test	Yes
Built in EOL resistors	Yes, 5.6 kOhm
Double tamper (wall / case)	Yes
Creep zone	Yes
Pulse counter	Yes
RFI protection	30 V/m
Temperature compensation	Yes
Mounting	Direct on the wall or with bracket (LC-L2ST)
Power supply	13.8 Vdc
Current draw	27 mA
Pet immunity	Yes, 15 kg
Dimensions	114 x 63 x 40 mm
MW Frequency	10.525 GHz

Approvals

- UL / ULC

Johnson Controls

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