



De Tyco Security Products

con Tecnología
PowerG

Wired outdoor PIR motion detector with
anti-masking

LC-181

Features that make the difference:

- Superior outdoor detection, virtually no false alarms
- The innovative Octa-Quad™ technology can distinguish between a person, the movement of trees and bushes in the wind, and a small animal, minimizing false alarms and ensuring effective threat detection real
- Vandal-resistant design, featuring patented V-Slot® technology
- Anti-masking protection complete and unprecedented
- Its industry-leading black mirror optics market offers high immunity to fake news alarms triggered by sunlight and car lights



Providing reliable outdoor motion detection without false alarms can be extremely difficult.

However, preventing false alarms is vital, as they can generate a lot of pressure and conflict in the affected home or business.

The LC-181 detector features several innovative technologies to overcome these difficult challenges. The revolutionary Octa-Quad™

technology, which utilizes eight PIR sensors functioning as Quad detectors, allows the detector to accurately and reliably determine whether an alarm is warranted. Furthermore, its rugged housing and patented anti-masking protection offer exceptional resistance to vandalism and tampering.

Patented technologies

Octa-Quad™ Technology

Accurate detection, free of false alarms

- An exclusive patented technology based on an array of eight independent PIR detectors where each monitors 1/8 of the field of view using a Quad configuration and DSC's proven and patented True algorithm

Motion Recognition™ (TMR™)

- A central motion processor analyzes the motion signals identified by each of the individual detectors, taking into account time, the

amplitude, ambient temperature, speed of movement, target size, and direction of movement. It then compares the signals relative to adjacent detectors and calculates whether an actual alarm is warranted based on the actual movement detected sequentially by the set of individual detectors.

Exclusive, robust and vandal-resistant design

- V-Slot® technology, combined

With its mirror optics, the detector can be installed in a relatively small recessed window, providing high resistance to environmental interference and vandalism.

Market-leading optics

A combination of parabolic and elliptical mirror optics

- This innovative technology creates a truly efficient mirror with very high optical gain and offers greater range, excellent detection sensitivity, and effective immunity to false alarms.

Obsidian Technology Black Mirror™

- The exclusive reflective surface The nickel base, similar to obsidian, acts as a selective infrared energy optical filter and virtually eliminates interference from white light.



Virtually invincible all-around anti-masking

protection • Full IR perimeter The dome-like IR shield protects the slot from all directions and angles, even at 90° below the device. • Anti-spray slots generate an IR light pattern

diffraction, which offers a virtually invincible line of defense, even against lacquers and aerosols

Other features

- Optics with no blind spots, detecting movement even at 90° directly under the device
- Separate battery compartment for easy replacement

Compatibility

- The LC-181 detector is compatible with all control panels that support wired zone inputs

Specifications

Type.....	Wired outdoor mirror with anti-masking
Coverage.....	12 x 12m / 90°
Power supply.....	8 – 16 V DC
Mounting height.....	1.5 to 3 m (5 to 10 ft)
Protection against white light.....	More than 25,000 lux
Anti-masking	Yes
Dimensions (W x H x D).....	157 x 147 x 124 mm (6.2 x 5.9 x 4.9")
Operating temperature.....	From -35 °C to 60 °C (from -31 °F to 140 °F)
Anti-tamper	Shell and wall Pet
immunity	Up to 18 kg (40 lb)