

	LC-200/BLC-200 INFRARED DETECTOR	
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1. INTRODUCTION

The LC200/BLC200 detectors are the best choice for both commercial and residential security installations.

These detectors use only PIR (passive infrared) technology, which eliminates the conversion typically required by traditional detectors, where the analog PIR signal must be amplified and converted into a digital signal. This fully digital technology increases the accuracy of intrusion detection and prevents the detector from being affected by variations in white light, ultraviolet light, temperature, and air movement caused by air conditioning systems. Furthermore, it is completely immune to radiated or conducted electromagnetic interference. The LC-200/BLC-200 detectors feature lenses designed by Johnson Controls and manufactured by Fresnel Technologies, Inc.

Featuring LODIFF® optical creation technology combined with POLY IR® materials, this product offers the highest quality and effectiveness.

The LC-200/BLC-200 detectors are immune to pets and have a coverage of 15 meters at a 100-degree angle.



Protection against white light

The detector digitally filters white light.



fully digital PIR

The detector has no analog components, so the fully digital PIR technology transmits the information directly to the microprocessor.



High protection against radio frequency interference

The detector has high immunity to RFI (radio frequency interference) because it completely lacks traditional amplifiers.



Immunity against pets

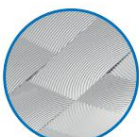
Thanks to the new lens design and digital analysis system, all our detectors are immune to pets weighing less than 15 kg.



Ultraviolet stabilization

POLY IR®4 material lens

The lens is printed with POLY IR® material. This material offers a better combination of transmission capacity, environmental stability, and color than any other polymer on the market. The materials are available for the infrared region between 8 and 14 microns.



LODIFF® Fresnel Optical Technology

The lenses in this series are manufactured by combining LODIFF® lens components. These lenses offer improved performance compared to standard wide-angle Fresnel lenses. constant band.

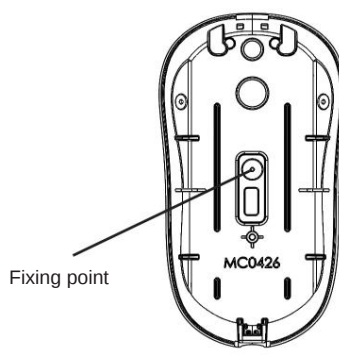
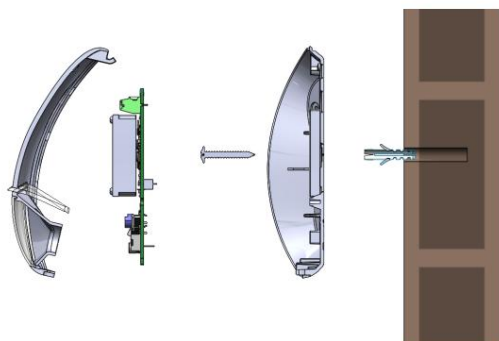
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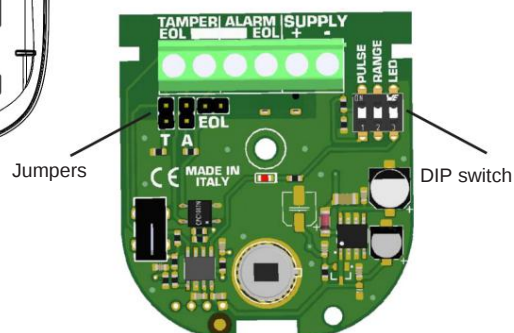
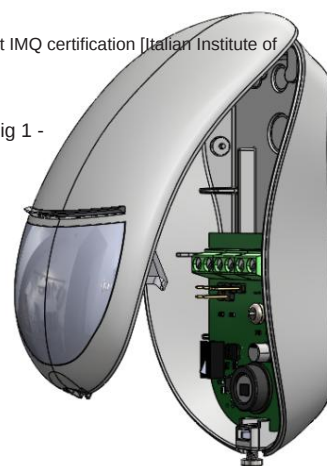
2. FACILITY

- Using a small gauge screwdriver, loosen the screw at the bottom and open the cover (see Fig. 1).
- Remove the base plate by unclipping the ABS material cover (see Fig. 2).
- Insert the stopper into the base of the cover where you want to place the sensor (you can also use the optional rotating bracket without IMQ certification [Italian Institute of the Quality Mark]).
- Open the safety punched hole and install the fixing point on the wall (see Fig. 2).
- A height of 2 meters is recommended.
- Pass the cable through the slot on the back and bring it out through the hole on the top.
- Connect the terminals following the connection diagram shown in "Connection and configuration".

- Fig. 2 -



- Fig 1 -



NOTE: Do not cover the detector's field of view, either partially or completely.

NOTE: The pet immunity function is not IMQ certified.

3. CONNECTION CONFIGURATION

Int. DIP **PULSE** --> Off = 1 pulse, On = 2 pulses

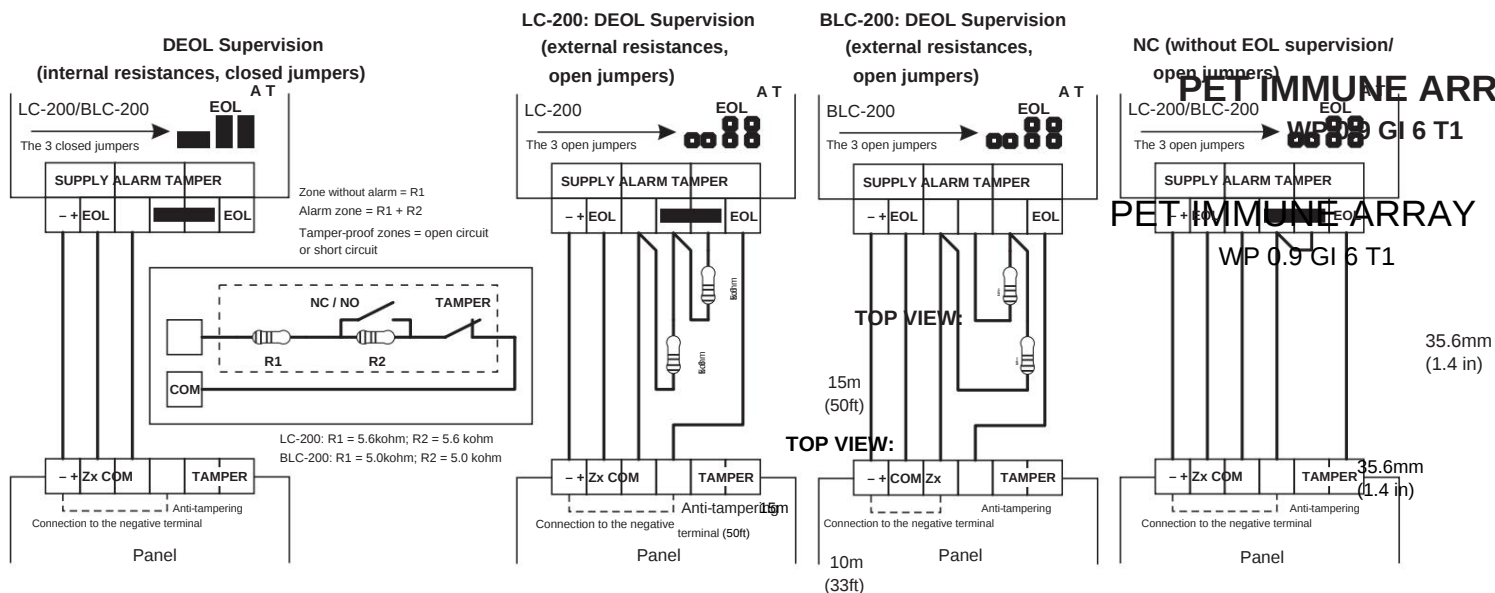
Internal DIP **RANGE** --> Off = 7 meter range, On = 15 meters

Int. DIP **LED** --> Off = LED off, On = LED on

T - A - EOL jumpers open = NC contacts have no resistance

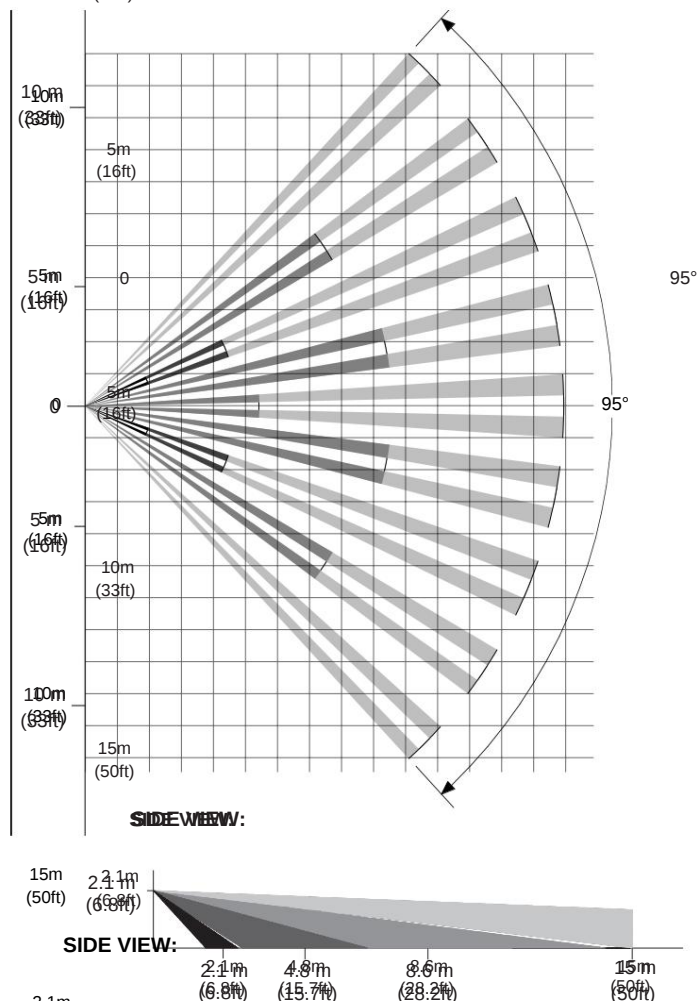
T - A - EOL jumpers closed = DEOL supervision with internal resistors

SUPPLY: 9-15 VDC / 25 mA power supply



Technical specifications

Technical specifications	
COVERAGE	15 m
HORIZONTAL COVERING	100°
GLASSES	LODIFF® Fresnel Lenses POLY IR®4 Material
LED	red
ALARM DURATION	2 s
SELF-DIAGNOSIS	-
AUTOMATIC RANGE WITH LED	YESH
MICROWAVE FREQUENCY	-
SOLID STATE RELAY	YESH
EOL RESISTANCE (END OF LINE)	YESH
IMMEDIATE ZONE DEVICE	YESH
TAMPER-RESISTANT COVER	YESH
POSTERIOR ANTI-MANIPULATION	YESH
ANTI-MASKING	-
PULSE COUNTER	YESH
RFI PROTECTION	30 V/m
HEAT COMPENSATION	YESH
COMPLETELY DIGITAL	YESH
SWIVEL SUPPORT OPTION	YESH
POWER SUPPLY	9-15 VDC / 25 mA
COVER MATERIAL	ABS
IMMUNITY AGAINST PETS	YESH
OPERATING TEMPERATURE	From -10°C to +40°C
DIMENSIONS	114 x 63 x 40 mm



LC-200/BLC-200 complies with rules EN 50131-2-2 grade 2.

Only qualified personnel should install this device in accordance with best professional practices.

The manufacturer will not be liable in the event of unauthorized modifications or repairs made to the product or system. 4.8m

It is recommended to check that the alarm system is working correctly at least once a month. However, a reliable alarm system (1

It does not prevent intrusions, theft, fires or other events, but it serves to reduce the risk of those situations occurring.

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