

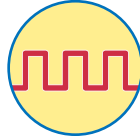
1. INTRODUCTION

LC-200S is the detector for all security installations needing an excellent product that is easy to install, suitable for any residential installation and does not require special attention for programming. No special care is required for the detector. It can simply be installed and turned on. LC-200S detectors are equipped with lenses designed by Johnson Controls and are manufactured by Fresnel Technologies, Inc. LODIFF® optic creation technology combined with POLY IR® materials make it a product of the highest quality and efficiency. LC-200S detector is pet immune (feature not evaluated by UL/ULC) and has a 12 m (40 ft) range at a 100-degree angle.



White Light Protection

The detector digitally filters white light components.



Digital Signal Analysis

This detector is equipped with a traditional PIR with a processor that converts the analysis into digital format for optimum performance in all situations.



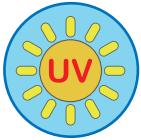
High RFI Protection

The detector has very high RFI immunity due to the complete lack of traditional amplifiers.



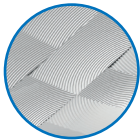
Pet Immunity

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



**Ultraviolet Stabilization
POLY IR®4 Lens Material**

The lens is printed with POLY IR® material. This materials offers a better combination of transmittance, environmental stability and color than any other polymer on the market. Materials are available for the 8-14 micron infrared region. LODIFF® and POLY IR® are registered trademarks of Fresnel Technologies, Inc.



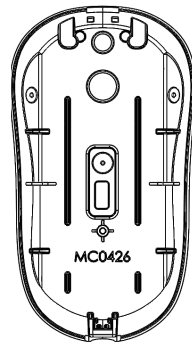
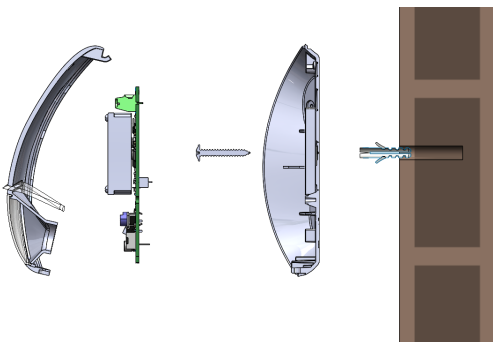
LODIFF® Fresnel Lens Technology

This lens series is made by tiling LODIFF® lens pieces. These lenses offer significantly improved performance over the typical constant-bandwidth Fresnel lens. LODIFF® and POLY IR® are registered trademarks of Fresnel Technologies, Inc.

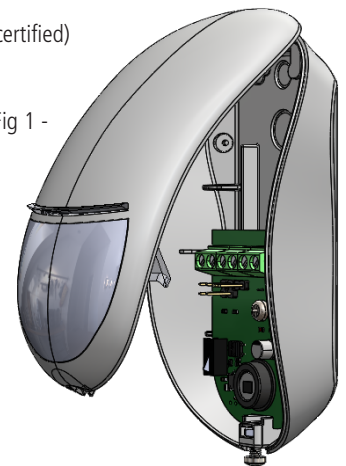
2. INSTALLATION

- Using a thin screwdriver, loosen the bottom screw and open the cover (see Fig 1)
- Remove the board from the base by levering the ABS cover (see Fig 2)
- Drill the stopper on the base of the cover at the desired fastening location (or use the optional swivel that is not IMQ certified)
- Recommended height is 2.1 m
- Slide the cable in through the back slot and out the top hole
- Wire the terminals following the connections shown in "Connection and Setup"

- Fig 2 -



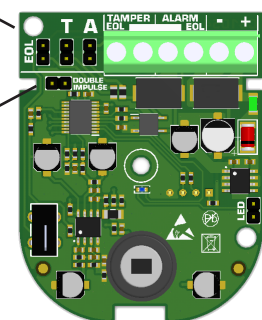
- Fig 1 -



T-A-EOL jumpers

PULSE jumper

LED jumper



NOTE: Do not partially or completely cover the detector's field of vision
NOTE: the pet function is not IMQ certified

3. CONNECTION AND SETUP

Jumper PULSE: closed = 2 pulses; open = 1 pulse

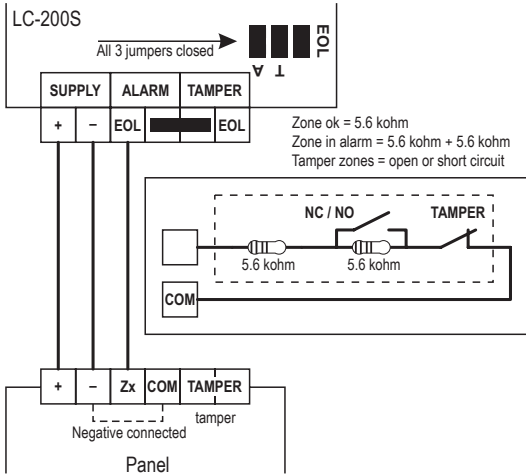
Jumper LED: closed = LED ON; open = LED OFF

Jumpers T - A - EOL open = NC contacts without resistors (not for UL/ULC applications)

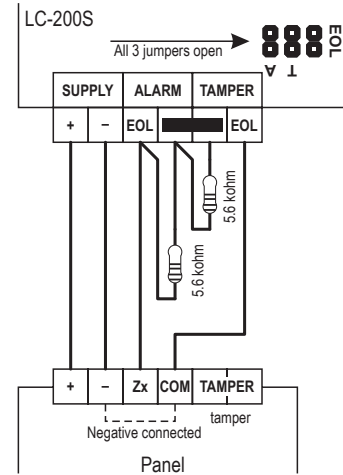
Jumpers T - A - EOL closed = DEOL supervision with internal resistors

SUPPLY: power supply 9-15 VDC / 25 mA. **Note:** For UL/ULC installations the detector shall be provided with minimum of 4 hours of standby power from either a listed compatible control unit or power supply. Use only resistive loads on the outputs.

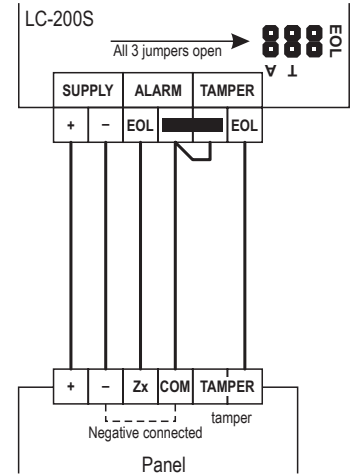
DEOL supervision (internal resistors/closed jumpers)



DEOL supervision (external resistors/open jumpers)

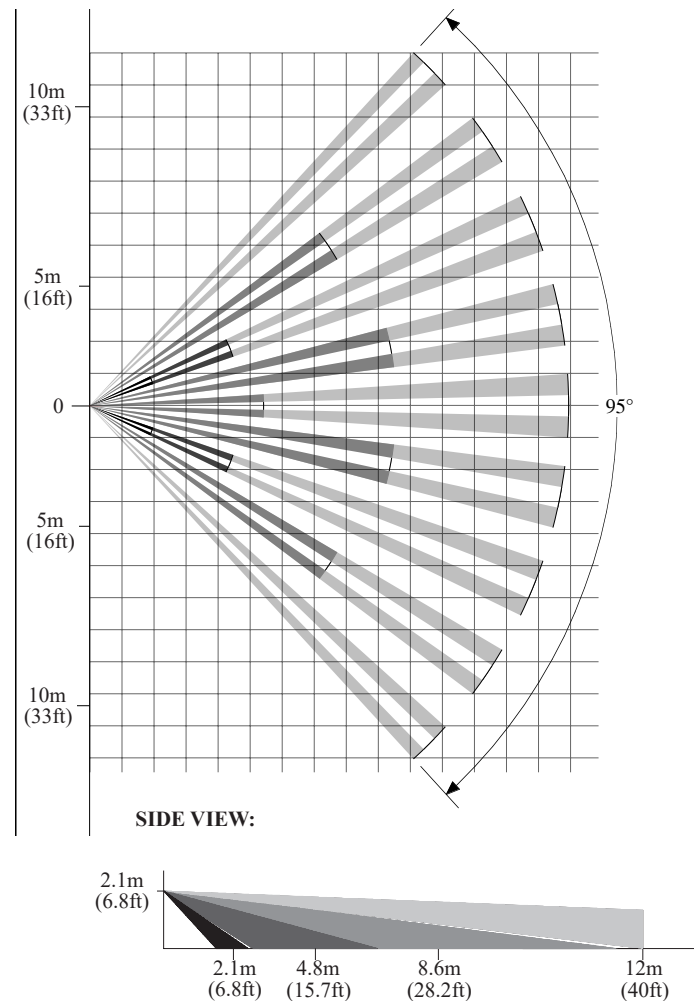


NC (no EOL supervision/ open jumpers) Not used on UL/ULC listed installations



Technical Characteristics

RANGE	12 m (40 ft)
HORIZONTAL COVERAGE	100°
LENSES	LODIFF® Fresnel Lens POLY IR®4 material
LED	red
ALARM DURATION	2 s
SELF-DIAGNOSTICS	-
LED WALK TEST	YES
MICROWAVE FREQUENCY	-
SOLID STATE RELAY	YES
EOL RESISTANCE	YES
CREEP ZONE DEVICE	YES
CASE TAMPER	YES
BACK TAMPER	NO
ANTI-MASKING	-
PULSE COUNTER	YES
RFI PROTECTION	30 V/m
HEAT COMPENSATION	YES
FULLY DIGITAL	YES
SWIVEL OPTION	YES
POWER SUPPLY	9-15 VDC / 25 mA
COVER MATERIAL	ABS
PET IMMUNITY	YES
OPERATING TEMPERATURE	-10°C to +40°C UL/ULC tested: 0°C to 49°C
HUMIDITY	93% RH
DIMENSIONS	114 x 63 x 40 mm



LC-200S complies with requirements EN 50131-2-2 Grade 2, EN 50131-2-2 Class II

Installation must be carried out by trained personnel according to professional standards.

The manufacturer accepts no responsibility if the product is tampered with by unauthorized persons.

The alarm system should be checked for proper operation at least once a month. However, a reliable electronic alarm system does not prevent intrusion, robbery, fire or anything else but merely decreases the risk of such situations occurring.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Warning! Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Tyco Safety Products Canada Ltd.) could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC rules. Operations are subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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