



BINGO PLUS PIR SENSOR



1. INTRODUCTION

BINGO Plus detectors represent the best choice for residential and industrial installations in the security sector.

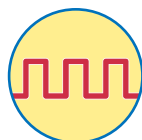
It uses only digital PIRs, thus avoiding the conversion that generally must be done in traditional detectors, where the analog PIR is amplified and converted to digital. Thanks to the TOTALLY digital technology, the detector is much more accurate in detecting intrusions and not suffering of alterations such as: white light, ultraviolet light, temperature, air movement due to heating/cooling systems and it is totally immune to radiated and conducted electromagnetic disturbances. Bingo Plus detectors are equipped with lenses made by Fresnel Technologies, Inc.

LODIFF® technology for optics realization in combination with POLY IR® materials make it a product with highest quality and efficiency.



White light protection

The detector is digitally filtered from white light.



Full digital PIR

The detector has no analog components, the full digital PIR is connected



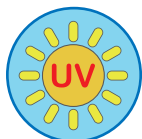
High RFI protection

Thanks to the total lack of traditional amplifiers, the detector has a very high RFI immunity.



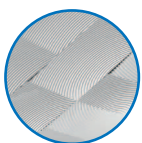
Pet immunity

All our detectors are pet immune up to 15 Kg, thanks to the new lens design combined with the digital analysis system.



Ultraviolet stabilization POLY IR® material for lenses

The lens is molded in POLY IR® materials. These materials offer the best combination of transmittance, environmental stability, and color of any polymer. Materials available for the 8-14 micron region of the infrared.

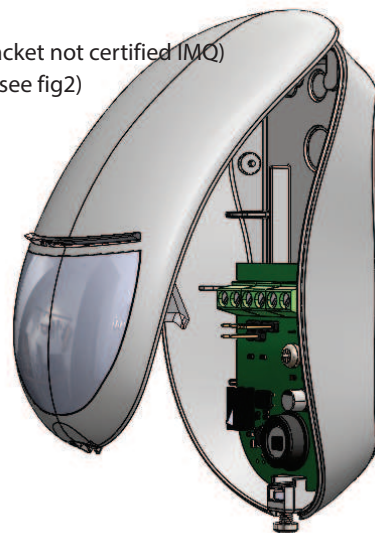


LODIFF® Fresnel Lens Technology

The lens array is made by tiling pieces of LODIFF® lenses. These lenses offer significantly improved performance over typical constant-groove-width Fresnel.

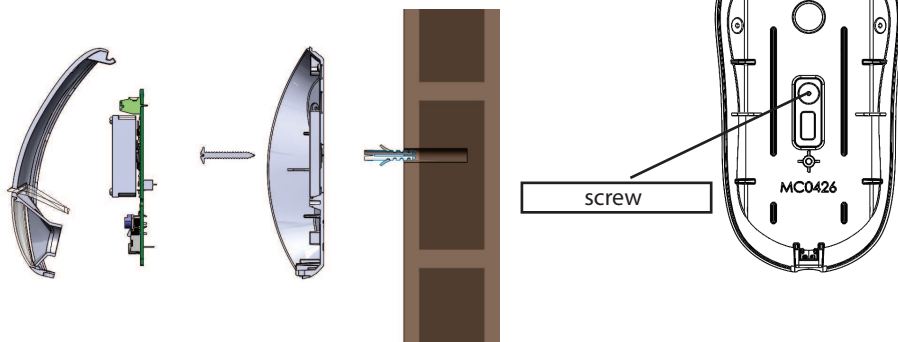
2. INSTALLATION PROCEDURE

- By using a thin screwdriver, loosen the screw on the bottom and open the housing (see figure 1)
- Remove the PCB from the base by levering on the ABS supports (see figure 2)
- Pierce the knock on the base of cover on the desired point for fixing (or use the optional swivel bracket not certified IMQ)
- Pierce the knock on the base and fix a screw between wall and cover for back tamper protection (see fig2)
- recommended height from 1.8mt to 2.2mt
- slide the cable into the back seat, and out of the top hole
- Wire up the terminals following the connections shown in figure.



- Fig 1 -

- Fig 2 -



NOTE: do not cover, partially or completely, the field of vision of the detector
NOTE: the pet immune function is not certified IMQ

3. ADJUSTMENTS AND CONNECTION

Dip 1 --> off = 1 pulse - on = 2 pulse

Dip 2 --> off = 7mt - on = 15mt range

Dip 3 --> off = led off - on = led on

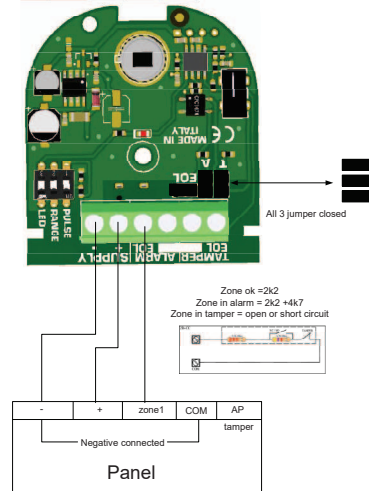
Jumpers T - A - EOL open = all contact Free without resistors

Jumpers T - A - EOL closed = double balancing (alarm 2k2 - tamper 4K7)

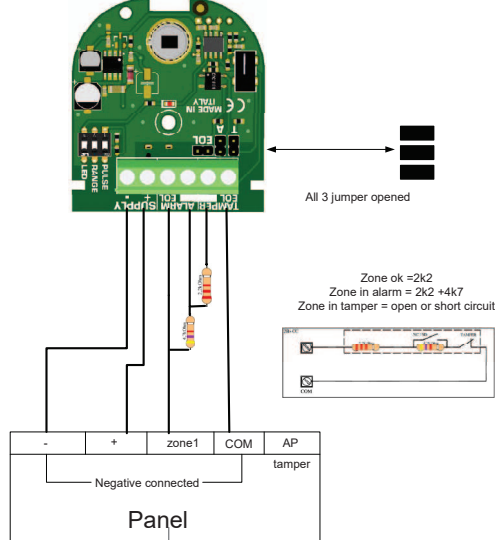
ALARM terminals (use EOL terminal alarm when the jumpers closed)

SUPPLY: power supply 13.8Vcc @ 11 mA / 19 mA MAX

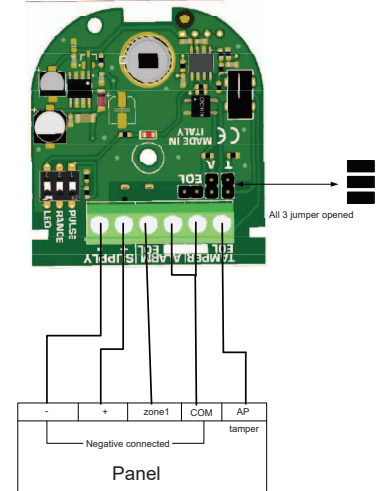
internal EOL- jumper closed



external EOL - jumper opened



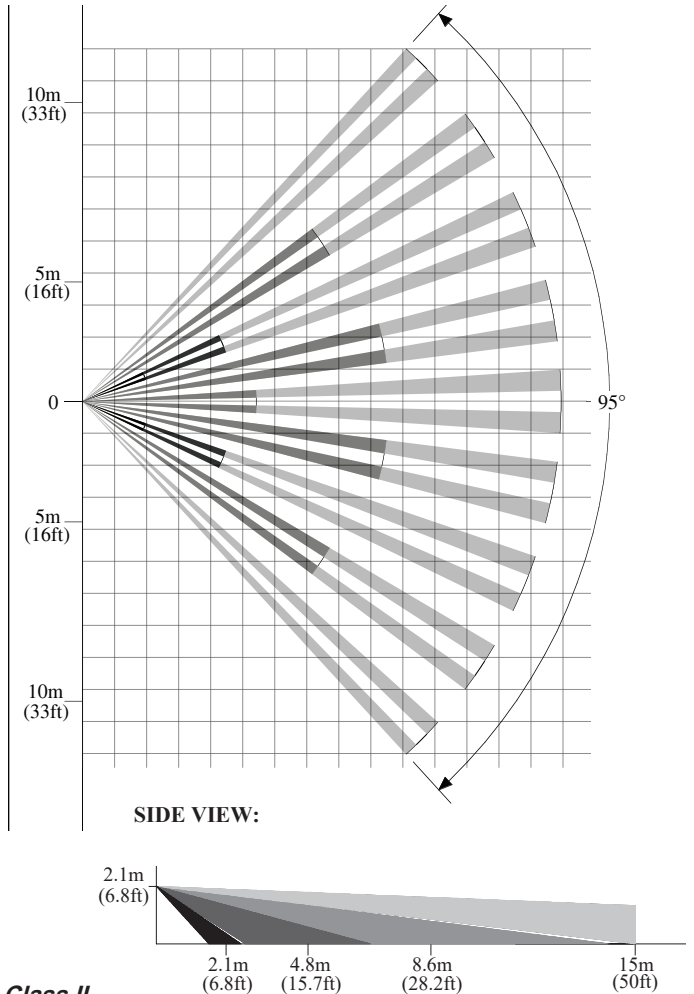
no EOL NC - jumper opened



Technical Features

BINGO Plus DIGITAL PIR

RANGE	15 mt
ANGLE	100°
LENS	Fresnel Lens LODIFF [®] POLY IR ⁴ material
LED	blue
ALARM TIME	2"
SELF TEST	-
WALK TEST'S LED	YES
MICROWAVE FREQUENCY	-
SOLID STATE RELAY	YES
INTERNAL EOL RESISTORS	YES
CREEP ZONE	YES
ANTI-OPENING TAMPER	YES
BACK TAMPER	YES
ANTI-MASKING DEVICE	-
PULSE COUNTER	YES
RFI PROTECTION	30 V/m
TEMPERATURE COMPENSATION	YES
FULL DIGITAL	YES
BRACKET AVAILABLE	YES
POWER SUPPLY	13.8 Vdc
HOUSING	ABS
PET IMMUNITY	YES
OPERATING TEMPERATURE	from -10°C to +40°C
DIMENSIONS	114 x 63 x 40 mm



Meets the requirements: EN 50131-2-2 Grade 2 EN 50131-2-2 Class II
Cumple los requisitos: EN 50131-2-2 Grado 2 EN 50131-2-2 Clase II

Installation must be carried out following the local installation norms by qualified personnel.

The manufacturer refuses any responsibility when changes or unauthorized repairs are made to the product/system.

It is recommended to test the operation of the alarm product/system at least once a month. Despite frequent testing and due to, but not limited to, any or all of the following: tampering, electrical or communication disruption or improper use, it is possible for the product/system to fail to prevent burglary, robbery, fire or otherwise. A properly installed and maintained alarm system can only reduce the risk that this happens.