

HIGH QUALITY DETECTORS



The new **ProLine detectors** represent the best choice for residential and industrial installations in the security sector. ProLine detectors use 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.

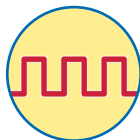
ProLine detectors are equipped with lenses designed by AMC and made by Fresnel Technologies, Inc. **LODIFF®** technology for optics realization in combination with **POLY IR®** materials make it a product with highest quality and efficiency.

All ProLine detectors are pet immune with range of 15 mt, with 100 degrees angle.



Anti-masking

Anti-masking protection activated from 1 to 30 cm from the detector.



Full digital PIR

The detector has no analog components, the full digital PIR is connected directly to the microprocessor.



White light protection

The detector is digitally filtered from white light.



High RFI protection

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



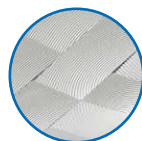
Ultraviolet stabilization POLY IR®4 material for lenses

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.



Pet immunity

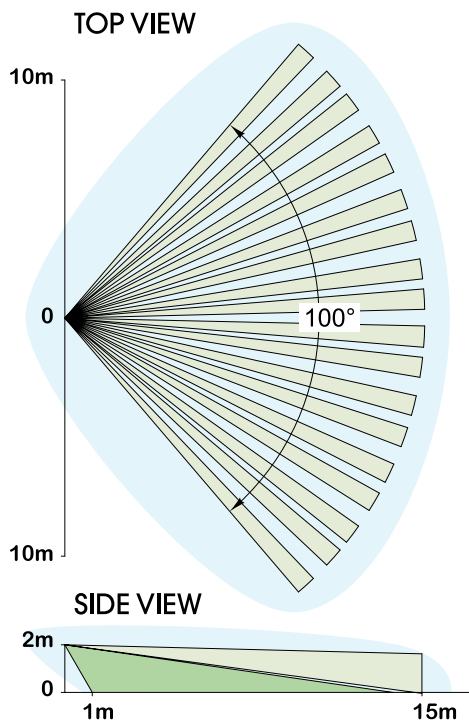
All our detectors are pet immune up to 15 Kg, thanks to the new lens design combined with the digital analysis system.



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.

LODIFF® and POLY IR® are registered trademarks of Fresnel Technologies, Inc.



IR1

CONFORM TO EN 50131-2-2 / GRADE 2

Digital PIR detector with EOL resistors

DT1

CONFORM TO EN 50131-2-4 / GRADE 2

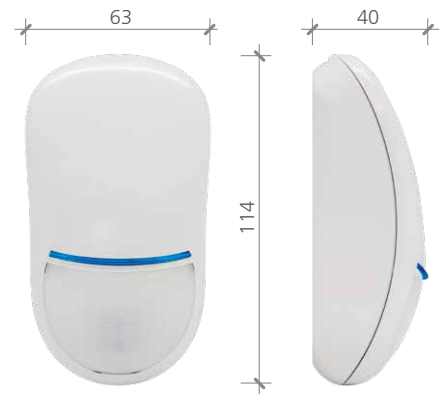
Dual Technology detector with EOL resistors

DT1AM

CONFORM TO EN 50131-2-4 / GRADE 3

Dual Technology, Anti-Masking detector with EOL resistors

BRACKET SN2
(wall bracket)



Technical Features	IR1 DIGITAL PIR	DT1 DUAL TECHNOLOGY	DT1AM DUAL TECHNOLOGY
RANGE	15 mt	15 mt	15 mt
ANGLE	100°	100°	100°
LENS	Fresnel Lens LODIFF® POLY IR®4 material	Fresnel Lens LODIFF® POLY IR®4 material	Fresnel Lens LODIFF® POLY IR®4 material
LED	blue	green, yellow, blue	green, yellow, blue
ALARM TIME	2''	2''	2''
SELF TEST	-	-	YES
WALK TEST'S LED	YES	YES	YES
MICROWAVE FREQUENCY	-	9.3 - 9.9 - 10.5 Ghz	9.3 - 9.9 - 10.5 Ghz
SOLID STATE RELAY	YES	YES	YES
INTERNAL EOL RESISTORS	YES	YES	YES
CREEP ZONE	YES	YES	YES
ANTI-OPENING TAMPER	YES	YES	YES
BACK TAMPER	YES	YES	YES
ANTI-MASKING DEVICE	-	-	YES
PULSE COUNTER	YES	YES	YES
RFI PROTECTION	30 V/m	30 V/m	30 V/m
TEMPERATURE COMPENSATION	YES	YES	YES
FULL DIGITAL	YES	YES	YES
BRACKET AVAILABLE	YES	YES	YES
POWER SUPPLY	13.8 Vdc	13.8 Vdc	13.8 Vdc
HOUSING	ABS	ABS	ABS
PET IMMUNITY	YES	YES	YES
OPERATING TEMPERATURE	from -10°C to +40°C	from -10°C to +40°C	from -10°C to +40°C
DIMENSIONS	114 x 63 x 40 mm	114 x 63 x 40 mm	114 x 63 x 40 mm