

# NEO DT-AM

## Digital PIR & MW Detectors with End-Of-Line Resistors & Optical Anti-Masking

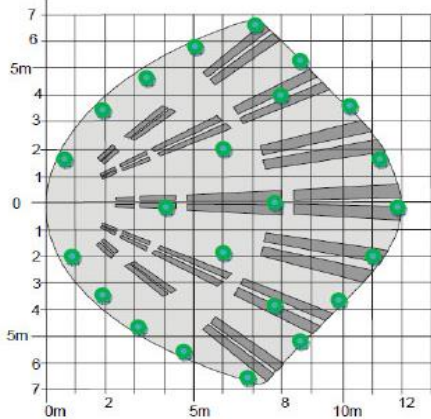
The NEO DT-AM is a combination of PIR & MW detectors, with PET immune function and optical anti-mask, providing protection from intruders by PYRO sensor element and MW (based on Doppler Concept). The NEO DT-AM use Microcontroller for PIR & MW signal analyzing, special ASIC technology for PIR pulse analyzing and unique optic for anti-mask protection.

### PRODUCT FEATURES

- Quad (Four element) PYRO sensor.
- Microwave detection based on Doppler concept.
- Optic Anti-masking protection with special relay trouble output.
- Multi Values End-Of-Line (EOL) Resistors
- PIR self-test by applying a short heat pulse.
- 12m Detection Range with Wide Angle Lens.
- User-friendly installation with or w/o swivel bracket.
- Microwave sensitivity adjustment.
- PIR sensitivity adjustment.
- Bi directional temperature compensation.
- PET immunity up to 25Kg.
- White light and environmental immunity



### DETECTION PATTERN



### STANDARDS COMPLIANCE

European Council Directive 2004/108/EC  
EN50130-4+A1+A2  
EN301489-3  
EN301489-1  
EN61000-6-3  
EN50130-5  
SAFETY LVD 2006/95/EC , EN60950-1  
EN50131-1, EN50131-2-4  
Security Grade 3, Environmental Class II

### SPECIFICATION

Detection Method	PIR & Microwave pulse Doppler Optical Anti-Masking by IR signal
Power Input	9 to 16Vdc
Current Draw	Active: 43mA (+/- 5%) Standby: 37mA (+/- 5%)
Temp Consumption	Yes
Alarm Period	2 ± 1 sec
Alarm Outputs	Form A N.C 28Vdc 0.1 A (with 10 Ohm series protection resistor)
AM / Trouble Output	Form A N.C 28Vdc 0.1 A (with 10 Ohm series protection resistor)
Tamper Switch	N.C 28Vdc 0.1 A (with 10 Ohm Resistors) open on cover removal
Warm up Period	30 Seconds
Operation Temp	-10°C ~ +50 °C
Dimensions	123.5mm x 61.5mm x 40mm
Weight	118gr.
Part Number	0029302