

SPECIFICATION

ELECTRICAL

Voltage 9-16VDC.

Current 16mA typical at 12V DC.

Maximum Ripple 2Vpp at 12VDC (50-120Hz sinusoidal).

Alarm Output Normally closed (failsafe) voltage free relay contacts. Rated at 24V DC, 50mA protected by 18ohms series resistor.

Tamper Output Normally closed voltage free switch contacts. Rated at 24V DC, 50mA.

Alarm Period 2-3 seconds typical.

Walk Test LED Internal link to enable/disable.

Remote LED Disable Switched input between 0V and 12VDC, (16V max).

Detection Method Passive Infrared.

Pyro-electric Detector Dual element, low noise.

ENVIRONMENTAL

Operating Temperature 14°F (-10°C) to 131°F (55°C).

Temperature Compensation Automatic.

Temperature Tolerance No false alarm up to 3°F/minute (1.7°C/minute).

Maximum Humidity 95% non-condensing.

Storage Temperature -4°F (-20°C) to 140°F (60°C).

EMC Environment Residential/Commercial/Light Industrial and Industrial.

FALSE ALARM PROTECTION

Design Patented Holographic Optical Technology (HOTLens). ICC (Intruder Confirmation Circuitry). Maximum ground plane. Noise reduction circuits.

RF Immunity No false alarm up to 200V/m due to digital telephone disturbances tested to DD ENV 50204:1996, at 900MHz; No false alarms from 80MHz to 1GHz at 65V/m modulated, equivalent to a 1200W uniform transmitter at 3m (10ft). Complies with EN61000-4-3:1997.

Electrostatic Discharge No false alarm up to +/-8kV. Complies with EN61000-4-2:1995.

Fast Transient Immunity No false alarm up to +/-4kV. Complies with EN61000-4-4:1995.

High Energy Transient Immunity No false alarm up to +/-2kV. Complies with EN61000-4-5:1995.

Conducted RF Susceptibility No false alarm up to 10Vrms. Complies with EN61000-4-6:1996.

Conducted Emissions Complies with EN55022 Class B.

Radiated Emissions Complies with EN55022 Class B.

Pulse Count Adjustable Adaptive Pulse Count. Internal link to select.

PHYSICAL

Mounting Corner or wall mount (without mounting bracket). Optional ceiling and wall mount brackets supplied as standard with adjustment range +/-30° horizontal. Mounting height up to 4.1m (13'6").

Casing 0.1" (2.5mm) wall thickness in flame retardant ABS.

Dimensions 3.6" x 2.5" x 1.6" (90mm x 63mm x 40mm).

Packed Weight 4.5oz (125g) approx.

Colour Designer white with super-white lens

COVERAGE

Volumetric (standard) 12m (40ft) range; 24 facets with look-down creep zones; 104° coverage producing a maximum width of 18.9m (62ft).

EUROPEAN STANDARDS

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC.