



EL-6000 K-Band Dual Technology Detector

Electronics Line 3000 Ltd

Release Notes

Technical Specifications

- Operating Voltage**
9 - 16VDC (nominal 12V)
- Current Consumption**
56mA@16V (alarm)
44mA@12V Max (standby)
- Pyroelectric Sensor**
Dual element
- Coverage**
11m x 11m, 35' x 35'
- Pulse Count**
1, 2, 3 or Adaptive (selectable)
- Microwave Antenna**
Built-in patch
- Microwave Frequency**
24.125GHz
- Microwave Sensitivity**
Adjustable
- Alarm Output**
N.C., 30VDC, 0.1A with 16Ω resistor in series
- Alarm Duration**
2 seconds
- Tamper Switch**
N.C., Contact Rating 30VDC, 50mA max
- Operating Temperature**
-20° to 60°C (-14°-140°F)
- Temperature Compensation**
Digital adaptive
- Reverse Polarity Protection**
Diode
- Fire Protection**
ABS plastic housing
- RFI Immunity**
10V/m
- Fluorescent Filter**
Automatic
- LED Indicator**
Selectable
- Dimensions**
110 x 60 x 45mm
- Pet Immunity**
Up to 45kg/100lb



Electronics Line 3000 is pleased to announce the release of its advanced, fully supervised, **EL-6000 K-Band Dual Technology Detector** – available now. (Available also with pet immunity).

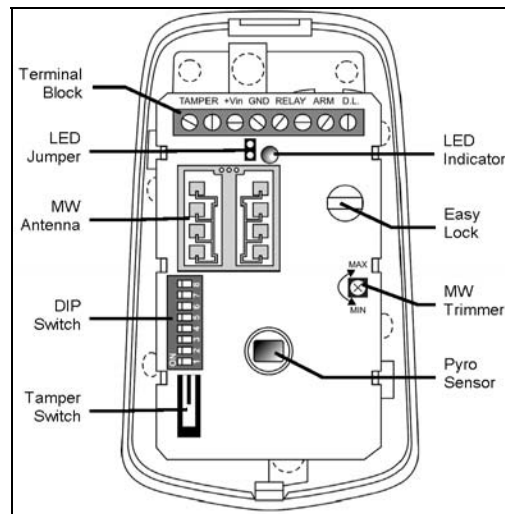
This innovative dual technology detector offers utmost protection, utilizing passive infrared and microwave technologies in tandem for enhanced detection. Moreover, the new EL-6000 can distinguish between the motion of a human body and any other disturbance for utmost false alarm immunity.

The innovative EL-6000 utilizes a K-band patch antenna for enhanced detection with minimized wall penetration and enhanced false alarm immunity. These state-of-the-art features are now encased in the compact plastic housing of the popular Mercury range, making this detector an attractive option for installations where users require a smaller detector with uncompromised detection abilities.

Main Features

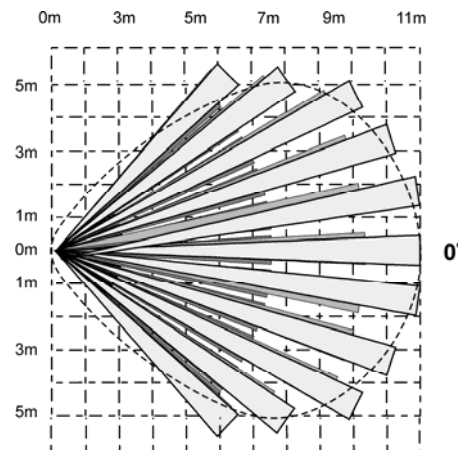
The EL-6000 is a versatile dual technology PIR and microwave motion detector, incorporating an integrated K-band patch antenna. Alarm generation is dependent on a combined detection from both the PIR sensor and microwave antenna. In the absence of microwave detection, an alarm may also be generated as a result of a verified PIR detection which is then carried out using additional pulse counts.

As a fully supervised detector, the advanced EL-6000 also conducts periodic self tests to monitor all key modules and components for enhanced operations and ongoing false alarm immunity.

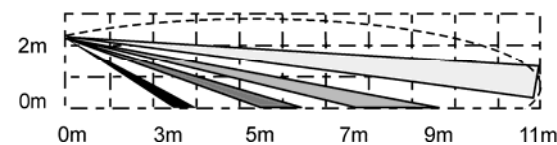


Lens Patterns

Plan View



Side View



Ordering Reference

- EL-6000 - 5100081
- EL-6000PI - 5100082

Contact Us

- [Technical Support](#)
- [Sales and Marketing](#)

Links

- www.electronics-line.com