

SPYDER_{EX}



ELMDENE

*Security & Fire
Products*



Benefits:

- High Rejection of False Triggers
- Flexible Mounting Options
- Simple installation and calibration
- Conformally coated PCB for high humidity applications
- Large area protection using array of units
- Simple to fit EOL resistors
- Self check at power-on provides confidence of trouble free operation

Features:

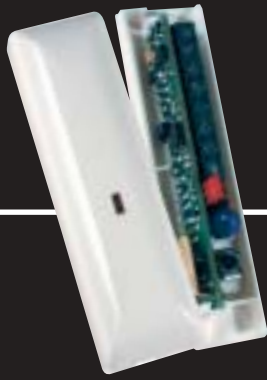
- EN50131-2 COMPLIANT
- EN50131 ENVIRONMENTAL CLASS II
- DIGITAL SIGNAL PROCESSING
- MULTI-UNIT SYNCHRONISATION
- LED INDICATION
- DISCRETE MODE
- VERY LOW CURRENT
- CONTINUOUSLY VARIABLE SENSITIVITY
- TUNED ALGORITHM FOR OPTIMUM DISCRIMINATION ANALYSIS
- SOLID STATE DESIGN

*Shock Sensors
you can rely on*

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INTRUDER



SPYDER_{EX}

Specifications

The SPYDER is a state of the art vibration and shock sensing device for protection of commercial and domestic properties.

The detector has been designed to meet all the requirements for installation under EN50131 and is rated under Environmental Class II.

SPYDER_{EX} Shock Sensor

Operating Modes (Set using on board jumper links)

- **SET/UNSET Operation**

The Spyder may be controlled by the SET output from a control panel thereby enabling automatic reset of any previously detected and latched alarm conditions. In installations where the SET input is not used, the Spyder will behave as a normal non-latched detector.

- **Latch operation**

When selected, the Spyder will display a flashing LED if a valid alarm event has been detected since the previous UNSET to SET transition. The LED will continue to display the alarm event, even when the alarm relay output has closed after the shock has terminated.

- **Discrete Mode**

When selected, the Spyder LED will remain off even under conditions of a valid alarm event.

- **Sustain Mode**

When selected, the Spyder will only signal a valid alarm

event when it has detected a sustained series of vibrations. This improves tolerance to normal shock events that are not valid alarms, for example bird impacts.

- **Sensitivity Ranges**

A high or low sensitivity range may be selected to enable the Spyder to be used in a wide range of installations each having their own peculiar vibration transmission characteristics. Within each range, the on-board pot enables continuously variable selection of sensitivity within that range. The pot provides a simple visual indication to the installation engineer of the sensitivity selected.

- **Multi-unit Synchronisation Mode**

Using the multi-unit synchronisation feature of the Spyder, an array of detectors connected together with their alarm outputs in series have the facility to indicate the first unit that has detected the alarm event. In this instance the first unit triggered will show a flashing LED, with all other subsequently triggered units showing an alarm event with a steady LED.

SPECIFICATION

Supply	12Vdc nominal (9-15V)
Current	10mA typical
Tamper Contact	12Vdc @ 50mA
Tamper resistance	100 ohms maximum
Alarm Relay Contact	60Vdc @ 100mA
Alarm Contact Resistance	16 ohms maximum
Dimensions (mm)	90L x 25w x 21h
Weight	30 grams

COMPLIANCE

EN50131-2 (draft)	Grade 2
	Environmental class II
EN61000-6-3: 2001	
EN50130-4: 1995	



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ELMDENE INTERNATIONAL LIMITED
Rodney Road, Fratton, Portsmouth PO4 8SS United Kingdom
Tel: +44 (0)23 9273 9412 Fax: +44 (0)23 9281 1631
e-mail: sales@elmdene.co.uk

www.elmdene.co.uk