

# Orion Series

Passive infrared sensor

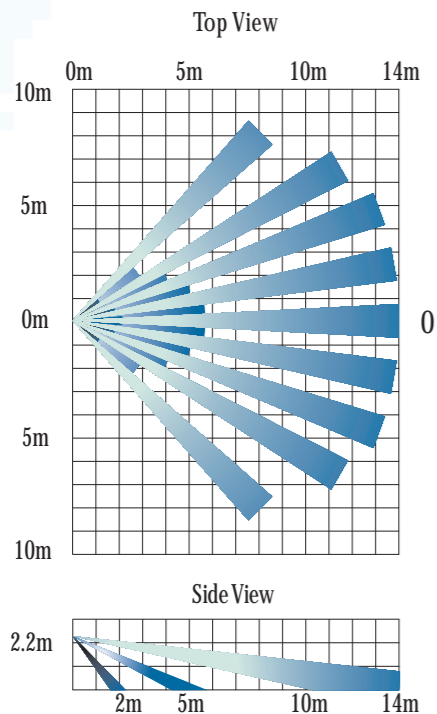


## Orion

The Orion series includes passive infrared sensors suitable for the most demanding of residential and commercial installations. Highly reliable, the Orion offers excellent protection and is easy to install.

### Features:

- Range: 14m x 14m/46' x 46' 15m x 15m/50' x 50' (EL-75)
- PCB easy lock
- Thermal optic stabilization cavity
- Adaptive interval pulse count
- Easy view LED
- Full lens library
- Superior RFI, EMI, ESD, cellular device and lighting protection
- Optional adaptive temperature compensation (EL-75)
- Optional microphone for listen-in applications (EL-65)



"ORION - THE PROFESSIONAL'S CHOICE"



### False Alarm Reduction

Orion's RFI/EMI immunity, lightning protection, temperature compensation and adaptive interval pulse count have been combined to drastically reduce false alarms caused by environmental interference.

### Adaptive Interval Pulse Count

Electronics Line's adaptive interval pulse count electronically analyzes the signature of the selected pulses within a specific time window.

### Cutting Edge Design

Its modern design, sleek curvilinear form and durable ABS plastic place the Orion amongst the most aesthetic sensors available.

### PCB Easy Lock

The PCB is clamped into position by the Easy Lock. Turning the Easy Lock releases the grip on the PCB, making adjustment, removal and installation quick and simple.



### Thermal Optic Stabilization Cavity

Orion's pyroelectric sensor is completely sealed off. This blocks out the harmful effects caused by temperature, climate changes, pollution, dust, dirt and insects. Nothing, other than true intrusion detection, trips the PIR sensor.



### Optional Microphone

Alarm verification is increasingly becoming one of the security industry's most talked about issues. When Electronics Line designed the Orion series, our intention was to provide uniformity in both performance and aesthetics for a wide variety of installations. The Orion EL-65 includes a sensitive electret microphone for listen-in applications.

### Adaptive Temperature Compensation

Electronics Line's adaptive temperature compensation system ensures reliable detection in extreme temperature environments. When the ambient temperature approaches human body temperature (37 C/98 F), a standard sensor's ability to detect is diminished and it can become false alarm prone or sluggish in its operation. In these conditions, the Orion EL-75 automatically adjusts to ensure that high levels of detection and false alarm immunity are maintained.

### Technical Specifications

	Orion EL-55	Orion EL-65	Orion EL-75
Range	14m x 14m 46ft x 46ft	15m x 15m 50ft x 50ft	15m x 15m 50ft x 50ft
Operation Voltage	9 - 16VDC	9 - 16VDC	9 - 16VDC
Current Consumption	15mA@12V (Standby) 17mA@16V (Alarm)	10mA@12V (Standby) 19mA@16V (Alarm)	10mA@12V (Standby) 19mA@16V (Alarm)
Alarm Duration	1 sec min.	1 sec min.	1 sec min.
Adaptive Interval Pulse Count	•	•	•
Pulse count options	1, 2 or 3	1, 2 or 3	1, 2 or 3
RFI Immunity	30V/m up to 1GHz	30V/m up to 1GHz	30V/m up to 1GHz
PCB Easy Lock	•	•	•
Selectable LED	•	•	•
Pyroelectric Sensor	Dual Element	Dual Element	Dual Element
Alarm Output	N.C.	N.C.	N.C.
Tamper Switch	N.C.	N.C.	N.C.
Thermal Optic Stabilization Cavity	•	•	•
Adaptive temperature Compensation			•
Microphone		•	
Operation Temperature	-10 to 60 C	-10 to 60 C	-10 to 60 C
Reverse polarity protection	Diode	Diode	Diode
Reinforced anti-static ABS housing with UV Protection	•	•	•
Dimensions	114 x 60 x 50mm	114 x 60 x 50mm	114 x 60 x 50mm

www.elecline.com

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