



# DS422i and DS426i Dual Beam Photoelectric Detectors



- ▶ Dual beam detection
- ▶ Range up to 60 m (200 ft) outdoors, 180 m (600 ft) indoors
- ▶ Selectable response time
- ▶ Small unobtrusive design

The DS422i and DS426i are dual-beam photoelectric detectors designed for indoor and outdoor applications. Consisting of a separate transmitter and receiver, they are designed to activate an alarm when an intruder passes within the direct line of sight between the transmitter and receiver.

The DS422i has a range of 30 m (100 ft) outdoors or 90 m (300 ft) indoors. The DS426i has a range of 60 m (200 ft) outdoors or 180 m (600 ft) indoors.

## Certifications and Approvals

UL639, Intrusion Detection Units

## Installation/Configuration Notes

### Mounting Considerations

Can be surface or pole mounted.

## Technical Specifications

### Photobeam

DS422i Range Indoor: 90 m (300 ft), Outdoor: 30 m (100 ft)

DS426i Range Indoor: 180 m (600 ft), Outdoor: 60 m (200 ft)

Response Time: Selectable from 50 ms to 700 ms

### Enclosure Design

Dimensions: 17.1 cm x 8.2 cm x 8.7 cm  
(6.75 in. x 3.25 in. x 3.5 in.)

Material: Smoked Lexan®

### Environmental Considerations

Temperature (Operating): -25°C to 55°C (-13°F to 130°F)

### Mounting Considerations

Pointability: Adjustable ±90° horizontally, ±24° vertically

### Outputs

Relay: Alarm activated Form C with dry contacts rated at 0.5 A maximum at 30 VAC/VDC

Tamper: Normally-closed with cover in place

### Power Requirements

DS422i Receiver Current Draw: 25 mA

DS426i Receiver Current Draw: 25 mA

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DS422i Transmitter Current Draw:	15 mA
DS426i Transmitter Current Draw:	30 mA
Voltage (Input):	12 VDC to 28 VDC, non-polarized

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### Trademarks

Lexan® is either a trademark or registered trademark of General Electric Company in the United States and other countries.

### Ordering Information

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DS422i Photoelectric Detector	DS422i
Provides an indoor range 90 m (300 ft), and an outdoor range of 30 m (100 ft).	

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DS426i Photoelectric Detector	DS426i
Provides an indoor range of 180 m (600 ft), and an outdoor range of 60 m (200 ft).	

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