



BOSCH
Invented for life

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

Region	Certification	
Europe	CE	
USA	UL	ANSR: Intrusion Detection Units (UL639)
China	CCC	2009031901000200

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:	31 mA
DS426i Receiver Current Draw:	31 mA
DS422i Transmitter Current Draw:	10 mA
DS426i Transmitter Current Draw:	27 mA
Voltage (Input):	12 VDC to 28 VDC, non-polarized

Trademarks

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

Ordering Information

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

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

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