

DualCurtain Outdoor Jeweller

Wireless bidirectional curtain IR motion detector

Compatibility	Hubs Radio signal range extenders
Communication	Jeweller communication technology Proprietary wireless technology for transmission of alarms and events.
Features	Two-way communication. Advanced anti-sabotage Block encryption featuring a floating key Instant notifications Remote configuration via the Ajax apps.
Radio frequency bands	866.0–866.5 MHz 868.0–868.6 MHz 868.7–869.2 MHz 905.0–926.5 MHz 915.85–926.5 MHz 921.0–922.0 MHz (Depends on the region of sale)
	Maximum effective radiated power (ERP) up to 20 mW Automatic power control to reduce power consumption and radio interference.
Radio signal modulation	GFSK
Radio communication range	up to 1,700 m between the detector and a hub (or radio signal range extender) in an open space.
Encrypted communication	All the data stored and transmitted are protected by block encryption with a floating key.
Frequency hopping	To prevent radio interference and jamming.
Detection	4 × IR sensor
Motion detection distance	4–15 m for each side When installed at a height of 0.8 to 1.3 m. Adjusted separately for each side using sliders on the detector rear panel.
Viewing angles	horizontal — 4.5° vertical — 90°
Motion detection speed	0.3 to 2.0 m/s The direction of the detector lens should be perpendicular to the intended path of entry into the facility.

Near zone detection	When enabled, the detector's upper IR sensor receives an additional sector of view, directed at an angle of 40° downward of the main sector. This is necessary to detect motion near the detector and reduce blind spot. Adjusted separately for each side using sliders on the detector rear panel.
Viewing angle shift	When enabled, the optical system viewing angle can be shifted by 3° in the horizontal plane. Adjusted separately for each side using sliders on the detector rear panel.
Sensitivity	3 levels Adjusted by a PRO or user with admin rights in the Ajax app.
Pet immunity	height: up to 80 cm weight: irrelevant
Protection from false alarms	SmartDetect ELSA
Temperature compensation	Effective motion detection at temperatures from -25°C to +60°C.
Recommendations	
The detector is installed at a height of 0.8–1.3 meters from ground level when used to protect doors, arches, other passages, or the area in front of windows. Otherwise, if the detector is used to protect windows, it is installed at a height of 0.5–0.6 meters from the window sill.	
Anti-sabotage protection	Tampering alarm Protection against spoofing Anti-masking system Lost connection detection from 36 s (The time to detect the communication loss depends on the Jeweller (or Jeweller/Fibra) settings)
Power supply	2 × CR123A battery Up to 4 years of batteries life.
Dimensions	174 × 123 × 88 mm
Weight	615 g
Operating temperature range	-25°C to +60°C
Operating humidity	up to 95%
Protection class	IP54
Colour	White

Complete set

DualCurtain Outdoor Jeweller
SmartBracket mounting panel
Installation kit
2 × CR123A battery (pre-installed)
Quick start guide
Additional information

Warranty

24 months