





# INFRARED SAFETY BEAMS

Safety is paramount in any automated system, and adding a pair of Safety Beams to your installation goes a long way towards preventing injury or property damage. Centurion Systems' infrared gate Safety Beams are reliable, easy to install and extremely cost-effective.



## **i5 INFRARED GATE SAFETY BEAMS**

**i5** is a cost-effective detection device for applications from safety beams to simple perimeter protection. CENTURION's **i5** beams have a range of 40 metres, are self-aligning and are unaffected by the sun. They have a wide 12V – 24V AC/DC voltage supply range.



### **MAIN FEATURES**

- Wide infrared beam makes for supremely easy beam alignment – no more battling onsite
- Highly cost-effective detection solution
- Easy commissioning thanks to LED indicators
- 40 metre range - suitable for even the widest of entrances
- Compatible with Intruder-detection Alarm functionality (a world first) - greatly improves security<sup>1</sup>
- Wide input voltage range

1. Requires this feature to be present on the gate motor's controller

**TECHNICAL SPECIFICATIONS**

Technical Data	i5
Power supply	12V – 24V DC/AC
Power consumption	Transmitter: 21mA, Receiver: 43mA @ 12V
Maximum distance	40m
Alignment <sup>1</sup>	Automatic - 9m <sup>2</sup> @ 10m
Output contact rating	5A @ 220V AC (non-inductive)
Operating temperature	-15°C to +55°C
Operating humidity	0% - 90% (non-condensing)
Degree of protection	IP54
Packaging weight	260g
Packaging dimensions	Length: 65mm x Width: 58mm x Height: 109mm

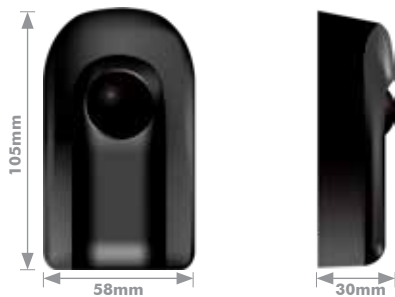
1. Circular area, assuming parallel surfaces

**I5 ANTI-KNOCK SHIELD**

Product Code: I5/AKSV2



A protective shield constructed from tough epoxy-coated mild steel to help prevent your i5 infrared safety beams from being knocked and damaged.





## PHOTON II INFRARED GATE SAFETY BEAMS WITH WIRELESS TECHNOLOGY

**Photon II** infrared gate safety beams with a wireless transmitter, for a quick and easy, safe gate automation installation.

With **Photon II** infrared gate safety beams, there is no need to dig or tunnel under the driveway, amassing high installation bills and defacing your property – the wireless transmitter can be effortlessly mounted onto a wall or surface and the innovative Installer Mode will aid you in the alignment process via an onboard buzzer. Automated gate safety has never been so quick and easy.



### MAIN FEATURES

- Transmitter is wireless - battery-operated saving on cabling costs
  - Minimum two year battery life (2 x AA batteries included)
  - Low power consumption throughout the system for greater efficiency
  - 30 metre operating range – ideal for the majority of entrance gates
  - Compatible with Intruder-detection Alarms for enhanced perimeter security <sup>1</sup>
  - Transmitter provides audible battery-low indication via onboard buzzer
  - Elegant slimline construction – only 50mm wide
1. Requires this feature to be present on the gate motor's controller

TECHNICAL SPECIFICATIONS

Technival Data	PHOTON II
Power supply <sup>1</sup>	Transmitter: 2 x AA Alkaline batteries (supplied) Receiver: 12V – 24V DC/AC
Power consumption	Receiver: 30mA @ 12V DC
Transmitter battery life	Min 2 years
Battery-low indication	Audible beep
Maximum operating distance	30m
Alignment <sup>2</sup>	Automatic – 1m <sup>2</sup> @ 10m
Output contact	Fail-safe, N/C and N/O, (potential-free contact)
Output contact rating	3A @ 30V DC (non-inductive)
Operating temperature	-15°C - +65°C
Operating humidity	0 - 90° (non-condensing)
Housing material	ABS
Degree of protection	IP54
Packaging weight	200g
Packaging dimensions	Length: 69mm x Width: 52mm x Height: 133mm

1. Only replace with AA Alkaline batteries; do not use rechargeable batteries with this product

2. Circular area - assuming parallel surfaces





## OUR DIGITAL AND ONLINE BRAND PRESENCE AND SUPPORT

### WEBSITE

- Landing pages in French, Spanish, Portuguese and Thai
- Access to product documentation, comparison charts and diagnostic guides
- Device software
- G-WEB PLUS interface for administering CENTURION GSM devices
- Massive library of useful articles
- <http://www.centsys.com>

### SUPPORT

- Dedicated technicians, unrivalled backup support and friendly and efficient sales personnel
- Technical support in all official languages, as well as French, Spanish and Portuguese
- Call centre operates 7am to 6pm (GMT +2), Monday to Friday and 8am to 4:30pm (GMT +2) on Saturdays

### SOCIAL MEDIA

- “Like” our Facebook page ([www.facebook.com/centurionsystems](http://www.facebook.com/centurionsystems)) and follow us on Twitter (@askCenturion) for all the exciting company news, launches, roadshows, competitions as well as technical and sales support
- Subscribe to our YouTube channel for access to an extensive library of how-to videos and tutorials
- Interesting and innovative installations from around the world, including unusual uses of CENTURION products
- Are you on our YouTube channel? Showcase your installations!

### NEWSLETTER

- Fantastic way of staying abreast of company news, developments, events and functions, new products and enhancements to existing range



## INDUSTRY-LEADING PRODUCT TECHNOLOGIES

### TECHNOLOGY

CENTURION products feature a host of industry-leading technologies, all conducive to greater security, greater convenience and superior functionality. Just some of the advanced technologies found in our products are:

- **ChronoGuard** – a world-first timer technology that allows the user to set a myriad Auto-activation and Time-barring functions using the onboard Real Time Clock and Calendar, which tracks the date up to the year 2099
- **Intruder-detection Alarms** – The novel feature-set – consisting of the Beam Alarm and Ambush Alarm - ups the security ante even further by providing an audible output when the infrared gate safety beams are obstructed, or remain interrupted for a pre-defined period of time
- **Code-hopping technology** – CENTURION remote controls are equipped with code-hopping encoders which process the outgoing transmission through a sophisticated encryption engine, making copying and cloning virtually impossible. No two transmitted codes will ever be alike

- **Onboard diagnostics** – Our D-Series range provides both audible and visual feedback of the gate status at any given time. In addition, a designated diagnostic screen makes fault-finding a breeze
- **High-volume capability** – CENTURION operators are designed to work hard, and work hard they do – with some operators such as the SECTOR II traffic barrier being capable of performing in excess of 3000 operations every single day





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**Sharecall numbers applicable when dialled  
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