

# 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

Product Code: **ISV3**

i5 is a cost-effective detection device in applications from safety beams to simple perimeter protection. Centurion Systems' i5 beams have a range of 40 metres, are self-aligning and are unaffected by the sun. They have 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

<sup>1</sup> Requires this feature to be present on the operator's controller

### Technical Specifications

Technical Data	i5
Power supply	12V – 24V DC/AC
Power consumption	Transmitter: 21 mA, Receiver: 43mA @ 12V
Maximum distance	40m
Alignment	Automatic - 9m <sup>2</sup> @ 10m <sup>1</sup>
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

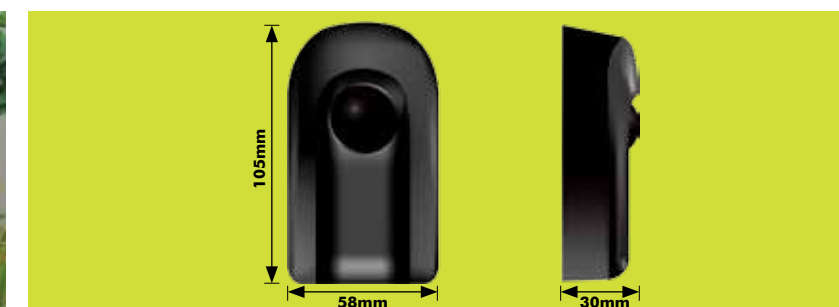
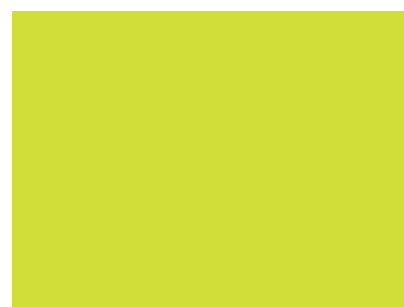
<sup>1</sup> Circular area, assuming parallel surfaces

### i5 Anti-knock Shield

Product Code: **IS/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

### Infrared Gate Safety Beams With Wireless Technology

Product Code: **PHOTON1V1**

Photon infrared gate safety beams with a wireless transmitter, for a quick and easy, safe gate automation installation. With Photon 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
- Ten 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 slim-line construction – only 50mm wide

<sup>1</sup>. Requires this feature to be present on the operator's controller

#### Technical Specifications

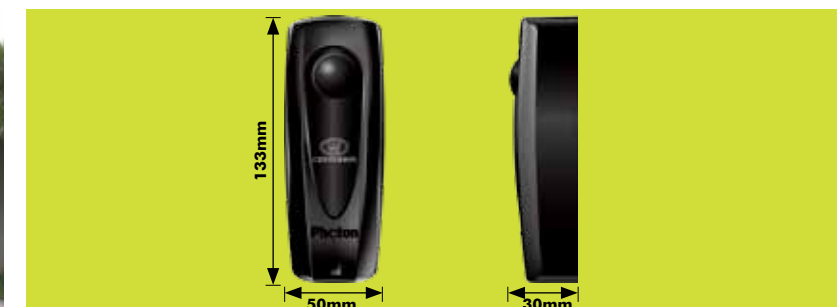
Technical Data	Photon
Power supply	Transmitter: 2 x AA Alkaline Batteries (supplied) <sup>1</sup> Receiver: 12V – 24V DC/AC
Power consumption	Receiver: 30mA @ 12V DC
Transmitter battery life	Min 2 years
Battery-low indication	Audible beep
Maximum operating distance	10m
Alignment	Automatic – 1m <sup>2</sup> @ 10m <sup>2</sup>
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 dimensions	Width: 69mm x Depth: 52mm x Height: 133mm

<sup>1</sup>. Only replace with AA Alkaline batteries; do not use rechargeable batteries with this product

<sup>2</sup>. Circular area - assuming parallel surfaces



# Photon™



**INFRARED GATE  
SAFETY BEAMS  
WITH WIRELESS  
TECHNOLOGY**