





# 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.



## PHOTON SMART WIRELESS INFRARED SAFETY BEAMS

Safety made easy. Say goodbye to worrisome wires and cumbersome cables with Photon SMART fully-wireless infrared beams. With quick, seamless pairing with our SMART solutions, Photon SMART installs in minutes and combines the best features of wireless technology with robust and reliable safety!



### MAIN FEATURES

- Providing outstanding safety for gate and garage door motors
- Completely wireless – the ultimate time-saver
- Reliable – up to 2 years of battery life
- Insect ingress protection
- Attractive slimline design
- For the first time, it's easy and cost-effective to add beams to a garage door

TECHNICAL SPECIFICATIONS

Technival Data	PHOTON SMART
Power supply	2 x AA Alkaline Batteries <sup>1</sup> (supplied for each transmitter and receiver)
Battery life	>2 years
Battery-low indication	Notified via MyCentsys Pro Mobile Application
Maximum operating distance	30m
Alignment between beams <sup>2</sup>	Automatic – 1m @ 10m
Maximum Operating Distance Photon SMART Receiver to SMART Controller	10m
Operating temperature	-15°C to +65°C
Operating humidity	0 - 90° (non-condensing)
Housing material	ABS
Lens material	PC
Degree of Protection	IP54
Packaging weight	200g
Packaging dimensions	Length: 137mm Width: 72mm Height: 58mm

1. Only replace with AA Alkaline batteries; do not use rechargeable batteries with this product
2. Circular area - assuming parallel surfaces





## 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





## **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.

