



Photon™



Infrared gate photocells



The pillar of an automated gate system is control, and the pillar of full control is safety. With CentSys' infrared gate safety photocells, control and safety are part of the package- and reliability, ease of installation and style are welcome bonuses. CentSys gives you a choice of two models, each with a unique and powerful set of features to help you obtain maximum gate safety with the minimum of effort.



Photon™

Introducing CentSys' new **Photon** infrared gate safety photocells with a wireless transmitter. **Photon** makes short work of achieving a safe automation system for even the most challenging of installations.

With a wireless transmitter there's no need to tunnel under the driveway. Simply align, attach and you're away!

Features and benefits

Wireless transmitter

So you want the ultimate in gate safety, but don't necessarily want to ruin your beautiful cobblestone driveway to get it. No problem! The **Photon** makes use of a completely wireless transmitter, allowing you to leave tunnelling and burrowing to the moles and saving you precious time and money.

Easy on the eye

Who says safe can't be sexy? **Photon** is only 50mm wide, making it unobtrusive and aesthetically pleasing. With sleek curves and attractive slim-line construction, these photocells are sure to enhance the aesthetics of any entrance lucky enough to be protected by them.

Fully weatherproof enclosure

Mother Nature is a fickle dame, that much is true, but luckily **Photon's** fully weatherproof enclosure ensures that the electronics will never bear the brunt of her outbursts. Oh, and did we mention that it's ant-proof too?

Long-distance performer

'No limits' is the maxim by which we engineered our wireless safety photocells and, with a 10 metre operating range, **Photons** are ideal for virtually any entrance gate.

Compatible with Intruder-detection Alarms

Safety and security has always gone hand in hand, and **Photon** further enhances this happy union via full compatibility with the Intruder-detection alarms (a world first) found on certain **CentSys** operators.

Low power consumption

The wireless transmitter photocell requires only two AA batteries (included in the kit) to deliver two years of reliable operation. Low current-draw throughout the system means greater efficiency and a longer battery life, so you'll have reliable automated gate safety for years to come.



Enhanced security features such as automatic closing, designed to ensure that the gates will always close automatically, are not recommended to be activated without the use of safety beams.

i5 infrared photocells from CentSys are simple to align, extremely reliable and boasts an operating range of up to 40 metres. They can be used on gates, garage doors, and even for simple perimeter protection.

The **i5** photocells are compatible with supply voltages from 12V to 40V DC. These versatile beams can be used on almost any gate or access automation equipment found in the market.

Features and benefits

Easy to align

With a massive 9m² (3m x 3m) alignment area, the CentSys **i5** infrared photocells practically align themselves!
No more battling onsite with beams that simply won't align - the wide beam cast by the **i5** transmitter makes this formerly painful process an absolute dream!

Highly cost-effective

One can't put a price on safety - but you'll be happy to know that CentSys **i5** photocells deliver a highly cost-effective detection solution. With these photocells installed, your gate won't break your car and it won't break the bank either!

Easy commissioning thanks to LED indicators

Both the transmitter and receiver are fitted with a green LED indicator to help you quickly and effortlessly commission the system and also help you with any diagnostic exercises.

Suits even the widest of entrances

i5 photocells work over a distance of up to 40 metres, making them suitable for even very wide entrances. No matter how big the entrance, nothing is getting past them!

Compatible with Intruder-detector alarms

Safety and security have always gone hand in hand, and **i5** infrared gate safety photocells further enhance this happy union via full compatibility with the Intruder-detection alarms (a world first) found on certain CentSys operators.

Wide power input range

i5 offers you the freedom to use the power supply most suited for your application. It's automated gate safety without limitations!



Technical specifications

Photon

Power supply	Transmitter – 2 x AA Alkaline batteries (supplied)* Receiver – 12V - 24V DC/AC
Power consumption	Receiver 30mA @ 12V DC
Transmitter battery life	>2 years
Battery-low indication	Audible beep
Maximum operating distance	10m
Alignment	Automatic – 2m ² @ 10m*
Output contact	Normally-closed and normally-open potential-free
Output contact rating	3A @ 30V DC non-inductive
Operating temperature	-15°C to +65°C
Operating humidity	0 to 90% non-condensing
Housing material	ABS
Lens material	PC
Degree of protection	IP54

i5

Power supply	12V - 24V DC/AC
Power consumption	Transmitter - 21mA; Receiver - 43mA @ 12V
Maximum distance	40m
Alignment	Automatic - 9m ² @ 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

* Circular area, assuming parallel surfaces