

## PE Safety Beams

Through beams and reflective beams



### The Photon PE Safety Beam

The Photon PE Safety Beam combines the latest technology with a battery powered transmitter in a compact waterproof IP 54 ABS enclosure.

Until now the only alternative was a reflective safety beam which is not really suitable for outside use. The Photon receiver is the only component that needs to be connected to the power supply which means no digging across the driveway, saving both time and money.

The system is fail safe and with the very low power consumption. The batteries will last a minimum of two years and then when the battery power is low an on board buzzer will give a warning signal.

Easy set up, great design and a 10 metre range makes the Photon beams a pleasure to work with.



### The i5 PE Safety Beam

The i5 PE Safety Beam consists of a transmitter and receiver unit mounted on opposite sides of the entrance.

The transmitter sends a modulated infra red beam to the receiver. When the beam is interrupted the receiver relay gives a signal to stop or open the door or gate.

The contacts of the relay are potential free and can be wired as normally opened or normally closed.

The beams are self aligning up to 10 metres and can operate up to 40 metres. They are housed in an IP54 ABS waterproof enclosure.



### The PC50 Reflective PE Beam

The PC50 Reflective Safety Beam is a high quality compact unit housed in a durable IP67 ABS waterproof enclosure

The PE beam is supplied with a mounting bracket to allow for easy adjustment. Alignment of the beam is achieved through the setting of the potentiometer mounted on top of the PE beam.

The two LED's on top of the beam indicate the status as shown below. The other switch allows the contacts to be changed from N/O to N/C without changing the connections.

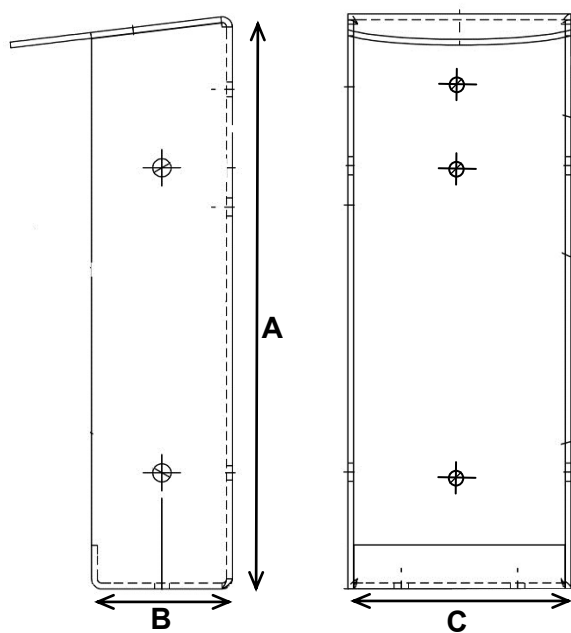
The maximum operating distance is 10 metres, input voltage is 12 – 240vdc or 24 – 240vac and the relay is rated at 3 amps.

## Technical Specifications

Specification	Photon PE Beam	i5 PE Beam	PC50 Reflective PE Beam
Power Supply	Tx - 2 x AA Rx - 12-24v AC/DC	12-24v AC/DC	12-240v DC 24-240v AC
Power Consumption	30mA @12v DC	64mA	100mA
Maximum Distance	10m	40 Metre	10 Metre
Contact Rating	3A @ 30v DC	5A @ 240v	3A @ 240v
Protection	IP 54	IP 54	IP 67
Dimensions	130 x 50 x 3.5	150 x 58 x 30	50 x 50 x 20

## PE Mounting Brackets

PE beam custom designed mounting brackets have multiple pre drilled holes that enable you to easily mount the PE Beam on any profile of the gate.



	i5	Photon
<b>A</b>	124mm	158mm
<b>B</b>	40mm	38mm
<b>C</b>	80mm	63mm

This black powder coated stainless steel cover will also extend the life of the PE beam by offering some protection from the both the weather and vandals.

These covers are available for both the i5 and Photon range.



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