

IDS-9100



IDS presents the new reference product for the active infrared barriers market. PHOTON is the new “little great barrier”, a technological concentrate resulting from many years of experience gained in the sector. It represents without any doubts the best product today available in terms of security, versatility and reliability. All this in a pillar of only 28mm diameter. That’s why we say that it is a little great barrier.

Technology On Two Wires

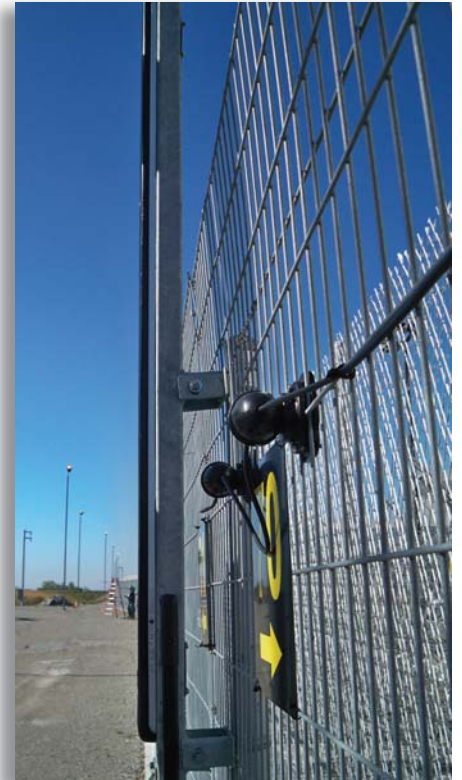
Full-duplex RS485 bus.

Only two wire connection between all the system devices, allowing them to exchange all data with high-speed duplex communication, without electrical or magnetic interference problems.

Fantasy Has No Limits

Modularity.

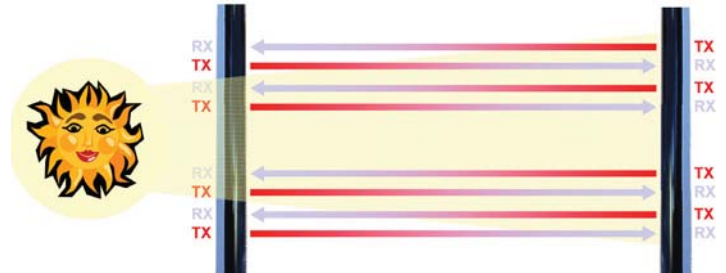
The different models available (25-50m range, 60-110-160- 210cm height) allows a configuration modularity that best adapts to all installation needs, with possibility to mount barriers as single, adjacent, sequenced, drawn up, crossed or piled up.





No Blinding

Opposite dual transmission technology. Each pillar is equipped with infrared optic able to transmit and receive and is absolutely identical to the others. Each barrier realize a virtual wall consisting of bi-directional multiple infrared beams. This assures an efficient sun-light blinding immunity, granting installations also in critical environmental sites.



No More Unwanted Alarms

Redundant technology. This technology verifies at the same time all the four infrared rays forming a beam, avoiding unwanted alarms caused by insects or birds, flies or small objects.

The result is the optimization of the performances in every condition such as rain, fog and reflections.

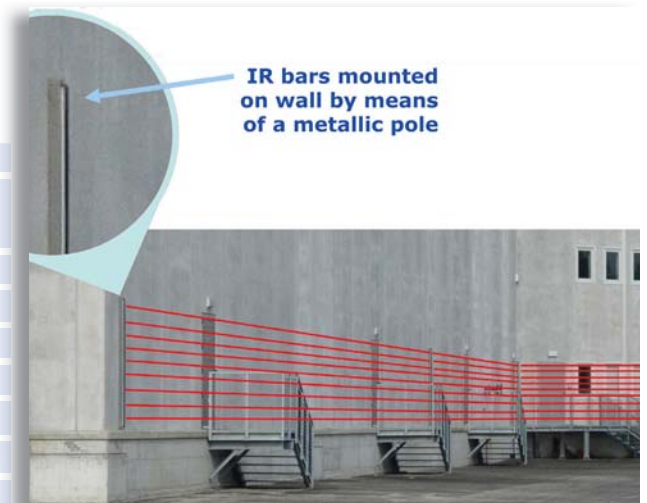


Suitable For All Environment

Robustness, impermeability and elegance. An aluminium case inserted in a special polycarbonate cover and an IP65 certified waterproof level give PHOTON excellent features of robustness and protection from atmospheric agents. The elegant design and the small dimensions make it an ideal choice where low aesthetic impact is required.

Technical Features

Distance between beams	250 mm
Intensity reduction for Alarm	80% for 500ms (ONE BEAM ONLY) 80% for 100ms (2 BEAMS or more)
Intensity reduction for Disqualify	50% for 10 seconds
Radiant wavelenght	950 nm
Protection level	IP65
Pressure compensation	2 GORETEX® membrane vents
Tamper	2 antiopening + 2 antiremoval
Signalling	2 led (alarm and tamper)
Horizontal directional adjustment	Stepless variable +/-90° axial rotation
Power supply	9÷16 Vdc (100mA MAX)
Outputs	Full duplex RS 485
Operative temperatures	EB xx/xx/x 0°C ÷ 60°C EB xx/xx/x/R -20°C ÷ 60°C



DETECTION SYSTEMS LTD.

