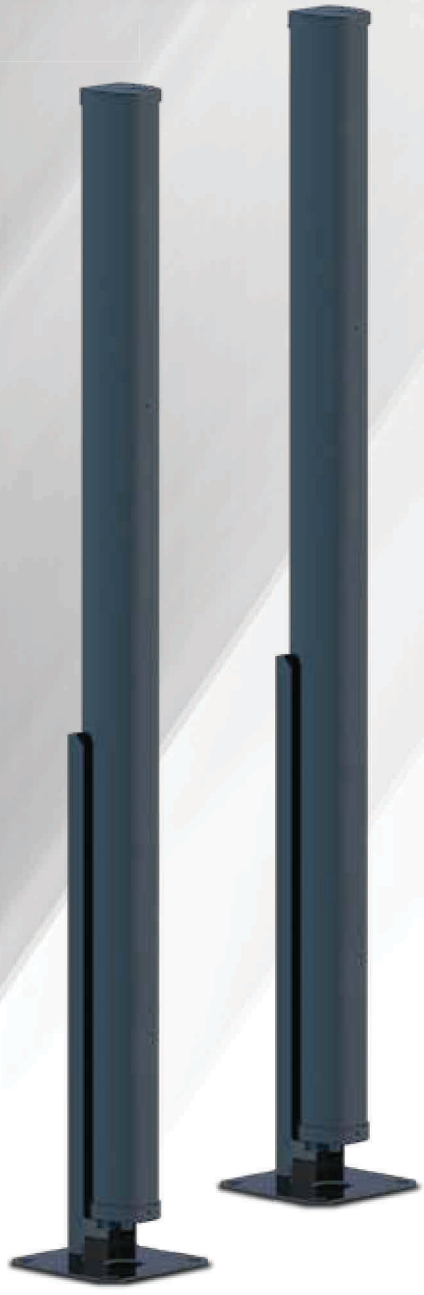
COLIRIS II

Active infrared barriers with D.I.S. Technology

EASY
INSTALLATION
Integrated alignment tools, output switches on each column.

RELIABILITY
Synchronized multiplexed beams, 3 detection levels.

INNOVATION
Only transmitter/receiver column on the market



PRINCIPLE

Operation of ***COLIRIS II*** column is based on D.I.S. technology 100 Hz, that is, on a single column that integrates a dual function transmitter/receiver. A barrier of ***COLIRIS II*** columns becomes a virtual wall of infrared beams, made denser by the transmitter function of each column. The infrared trigger mode of ***COLIRIS II*** is based on the interruption of 2 adjacent beams, thereby circumventing the gap of non-detection of traditional barriers. The lower beam can be configured in time-delayed mono detection in order to detect possible intrusions by "crawling," (an advanced setting via computer, not available in the 200 m version).
COLIRIS II has output switches on each column, thereby allowing it to limit to the maximum the constraints imposed by wiring.

To best adapt to the requirements of site security, ***COLIRIS II*** is available in heights of 1.10 m, 1.50 m and 1.90 m, and offers up to 16 beams per barrier (8 per column).

APPLICATIONS

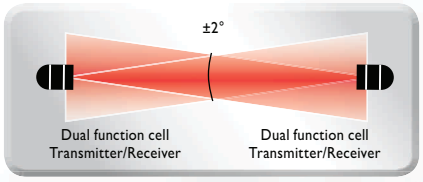
The ***COLIRIS II*** columns are specifically designed for the protection of local businesses and for medium-sized industrial sites. The product line, as well as its modularity (with the possibility of stacking columns) offers a high level of detection and deterrence in the field of perimeter protection.

» IDENTICAL COLUMNS

With DIS 100 Hz technology (Dual Interlaced Scanning), each cell integrates the double function of transmitter/receiver and all columns are therefore identical. The infrared beams are multiplexed and synchronized optically at a frequency of 100 Hz, which optimizes alignment of the columns.
Thanks to DIS technology, ***COLIRIS II*** has back alignment function, which along with the integrated alignment tool, allows a sole individual to carry out adjustment.
With these identical columns, implementation and maintenance become simple and effective. Indeed, output switches are available on each column, which provides high flexibility for the transmission of alarm information, and one column can replace another very simply in the event of work to be done on the installation site.

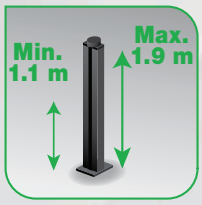
The alignment interface has 3 integrated tools:

» optical sighting on each cell,
» powerful buzzer whose volume level varies relative to the power of the incoming signal,
» a LED indicator that allows visualization of the incoming signal.

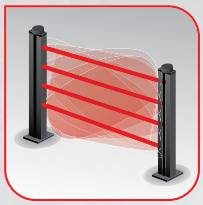


Detection level

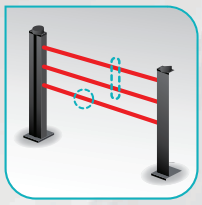
» Detection on 2 adjacent cells.
» Mono-detection of the lower beam.



Detection height



6 to 8 beams



Dual-detection
Mono-detection
lower beam

TECHNICAL SPECIFICATIONS			
Exterior range	50 m	100 m	200 m
Height of columns	1.10 m	1.50 m	1.90 m
Number of Beams	6 - 8		
Control Method for beams	Multiplexed and synchronized via optical link (4 channels)		
Power supply	12 Vdc		
Alarm information	Intrusion Disqualification Tamper		
Operating temperature	-35°C to +55°C		
Protection index	IP335		