



COLIRIS II

INFRARED BARRIER FOR PERIMETER SURVEILLANCE WITH 3 DETECTION LEVELS

→ EFFECTIVENESS

D.I.S. Technology 100Hz.

Optical synchronization and multiplexing of beams.

Alarm issued on interruption of 2 adjacent beams.

→ RELIABILITY

3 sensor windows.

Integrated fog detector.

Integrated thermostat-controlled heating.

→ EASE OF INSTALLATION

Integrated alignment tools for one person installation.

→ SIMPLIFIED WIRING

Availability of alarm data for each column.

→ MODULARITY

3 heights available: 1.10 meter, 1.50 meter, 1.90 meter.

Available with 3 or 4 beams.

Columns can be stacked horizontally or vertically

Wall or post mounted.

PRINCIPLE

COLIRIS II columns are exterior protection systems that have 3 independent detection levels.

With D.I.S. technology 100Hz (Double Interlaced 100Hz Scanning), each cell integrates the double function of transmitter and receiver. All columns are therefore identical. The infrared beams that are created are optically multiplexed and synchronized at a frequency of 100Hz.

COLIRIS II has output switches for each column which allows maximum limitation of wiring constraints.

Since implementation of D.I.S. technology, COLIRIS II includes an integrated alignment feedback function that allows installation of the equipment by one person.

APPLICATIONS

The COLIRIS II infrared columns are specifically designed for protection of small or medium companies or industrial sites.

These columns provide good protection and are inexpensive to install.



→ TECHNICAL SPECIFICATIONS

Range	50m – 100m – 200m
Power supply	10.5 - 14Vdc
Consumption without heater	140mA
Heating consumption	680mA
Heights	1.10m – 1.50m – 1.90m
Number of cells	3 - 4
Operating temperatures	-25°C (with thermostat controlled heating) at +55°C
Cell orientation	180° for horizontal axis +/- 10° for vertical axis
Response time	Adjustment of response time for detection with potentiometer (50 ms to 800 ms)
Alignment	An optical sighting lens integrated in each cell Integrated alignment assistance
Alarm information	Intrusion Tamper Disqualification
Number of channels	4 channels of selectable infrared pulsating frequencies
Heating	Thermostat on all columns
Wiring	Pre-wired columns
Option	Power supply 110/230V – 50/60Hz integrated

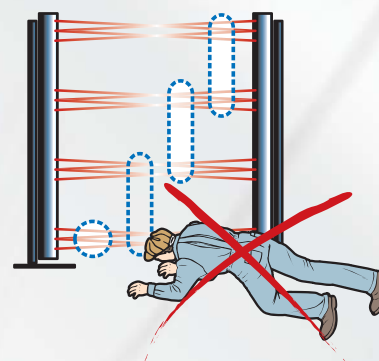


→ INTEGRATED ALIGNMENT ASSISTANCE



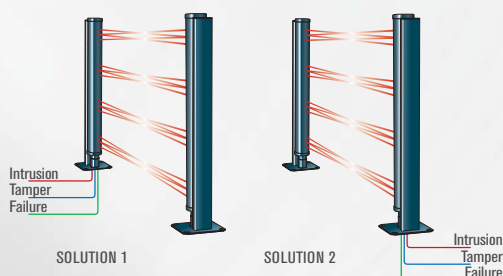
COLIRIS II integrates 3 alignment tools:

- an optical sighting lens in each cell.
- a powerful buzzer whose audio level varies in conjunction with the strength of the incoming signal.
- an LED indicator that allows visualization of the incoming signal.



*Detection with 2 adjacent beams
Mono-detection of bottom beam (except for 200 meter barrier)*

→ ALARM INFORMATION AVAILABLE FOR THE 2 COLUMNS



The wiring requirements for COLIRIS II are limited to the output switches present for each column.

You choose with respect to your needs and constraints where to wire alarm switches, at one end or the other of the infrared barrier.

↓ There are multiple possibilities for wiring and output switches.

