EKO SERIES
IR | MW | DT
Infrared Beam Barriers

EKO-IR is an **active Infrared barrier** that offers high performances and reduced installation costs. The brand new main control board allows different configurations according to site and environmental requirements ensuring high detection capability.

EKO-IR can be mounted either **on ground or wall** and columns can be painted to reduce visual environmental impact.

To avoid disqualification during big snow falls or sand storms, the system gives the possibility of remotely disabling 1 or more IR beams via wired commands.

Key Benefits and why to choose

• Simple integration through dry contact
• Very easy to install and calibrate
• Doesn't require any SW configuration tool
• SYNC wires not required
• Internal Plug&Play and tailor-made mechanical mounting

PART NUMBERS	N° IR	HEIGHT (M)	RANGE (M)
EK2IR50/1.0	2	1.2	50
EK3IR50/1.5	3	1.5	50
EK3IR50/2.0	3	2.0	50
EK4IR50/2.0	4	2.0	50
EK4IR50/2.5	4	2.5	50
EK2IR100/1.0	2	1.2	100
EK3IR100/1.5	3	1.5	100
EK3IR100/2.0	3	2.0	100
EK4IR100/2.0	4	2.0	100
EK4IR100/2.5	4	2.5	100
EK3IR200/2.0	3	2.0	200
EK4IR200/2.0	4	2.0	200
EK4IR200/2.5	4	2.5	200

MAIN FEATURES

- Up to 200m range
- Multiple IR beams scenarios
- Different columns height (1-3m)
- Up to 5 IR beams configurations
- Remote IR beams enable/disable function
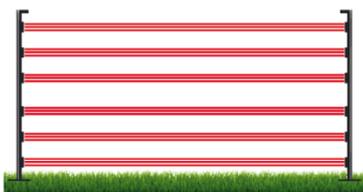- Internal temperature and humidity control

INTEGRATED PERIMETER PROTECTION SOLUTIONS

PIDS

SICURIT Perimeter Protection Systems – a dedicated division of SICURIT Alarmitalia S.p.A.
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SICURIT
PERIMETER PROTECTION SYSTEMS

INTEGRATED
PERIMETER
PROTECTION
SOLUTIONS

PIDS

Specifications

Outdoor range	50-100-200m
Number of IR beams	Min: 2 / Max: 5
IR frequency	930nm
Alarm response time	From 50ms up to 2000ms
Power supply	12VDC ±15%
Operating temperatures	-25°C to +65°C -40°C to +65°C (with additional PTC heater)
Alarm output	Contact Relay on RX
Tamper output	Contact Relay on TX and RX
Disqualification output	Contact Relay on RX
Auxiliary input	1x RX (IR bypass)
Auxiliary output	N/A
Tower height (m)	1.0 / 1.5 / 2.0 / 2.5
Base dimensions (mm)	280 x 280 (BET040)
Tower IP rating	IP65
EMC	In compliance with European standards
Configuration tools	IR filters
Certifications	Security Grade 2 - Environmental Class IV (EN 50131-1:2006, EN 50131-1-2-4:2008)
Warranty	Comprehensive 2 years

List of accessories

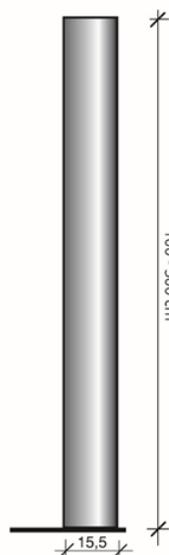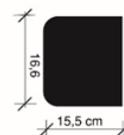|	
BET040	Standard surface base
BET042	Base reinforcement
BET045	Base for wall-mount applications
BEA1224ALI	230Vac to 12Vdc - 24Vac Power supply
BET032	Battery support
BEC205	Anticlimbing top cover
IMERESC	PTC heater

Graphic representations

Ground-Mounting application

Wall-Mounting application

COLUMN TOP VIEW

16.6

15,5 cm

100 - 300 cm

15,5

BASEMENT TOP VIEW

28 cm

9,5

13 3,5

28 cm

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