

EKO SERIES Dual Technology Barriers

IR | MW | DT



Because of its combination of technologies, **EKO DT** is a unique active barrier offering a very **high level of security** even under conditions of thick fog, heavy rain, strong snowfalls and sandstorms all of which tend to trigger false alarms or unreliable performances when only Infrared technology is used. The Microwave is the technology that works as an "Activator" because being a volumetric detector, it is usually the first to detect an intruder. As the system is designed to generate an alarm only when one technology confirms the other, within a pre-selected time interval, the level of false alarms with the same sensitivity is extremely reduced.

Key Benefits and why to choose

- Simple integration via dry contact
- Dual technology operation
- Very easy to install and align
- Doesn't require SW configuration tool
- SYNC wires not required

PART NUMBERS	N° IR	N° MW	HEIGHT (M)	RANGE (M)
EK3DT50/2.0	3	1	2.0	50
EK3DT50/2.5	3	1	2.5	50
EK4DT50/2.5	4	1	2.5	50
EK3DT100/2.0	3	1	2.0	100
EK3DT100/2.5	3	1	2.5	100
EK4DT100/2.5	4	1	2.5	100

MAIN FEATURES

- Up to 100m range
- Multiple IR beam + MW scenarios
- Different columns height (1-2.5m)
- Up to 5 IR beams + MW configurations
- Remote IR beams enable/disable function
- Internal temperature and humidity control

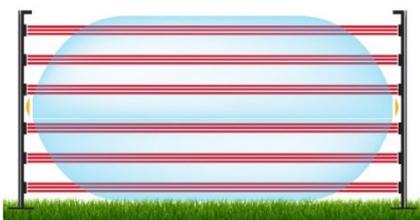
Specifications

Outdoor range	100m
Number of MW	1
Operating frequency	X-Band
Modulation channels	4
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)	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 MES051D
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
IME251	Anti-crawling MW system

Graphic representations



Ground-Mounting application

