



ACTIVE-50

Dual-beam Outdoor/Indoor Active Infrared Detector
with a range of 50 meter



INTRODUCTION

What is ACTIVE ?

ACTIVE is a dual-beam outdoor / indoor active infrared detection system, with an effective range of up to 50 meters.

How does it work ?

ACTIVE consists of two parts, infrared transmitter and its receiver. Crossing the pair of active infrared beams activates the changeover relay on the receiver part and lights the (switchable) red LED.

Undefeatable !

ACTIVE is waterproof and all-weather resistant, excellent lighting protected and sensitivity adjusted. In order to eliminate any attempt of neutralize the receiver part by means of a foreign IR transmitter, constant synchronization exists between the infrared transmitter and its receiver.

Easy and quick installation without any external adjusting tool

ACTIVE may be mount, easily and quickly, on walls or poles. A successful installation of an active infrared detection system is when its two parts (infrared transmitter and its receiver) perfectly aligned. In order to ensure optimum installation, ACTIVE detection system equipped with built-in tools which allow accurate alignment between its two parts:

1. In each part of the system, the internal unit is vertical and horizontal adjustable.
2. The receiver part consists of a built-in scale, which displays the received signal strength (signal that transmitted by the transmitter part). The higher the signal strength, the better the alignment.

High Reliability

ACTIVE detection system designed to work in the most difficult environmental conditions while maintaining unprecedented immunity to false alarms.

DESCRIPTION

- ▶ SYNCHRONIZED active infrared beams, to eliminate "cheating" the receiver part by a foreign IR transmitter.
- ▶ 50 meter effective range.
- ▶ Waterproof and all-weather resistant.
- ▶ Internal vertical and horizontal alignment.
- ▶ Precise alignment by a built-in scale or externally by connecting a voltmeter.
- ▶ Adjustable beam interruption time.
- ▶ Changeover alarm contacts (N.C. / N.O.).
- ▶ Excellent lighting immunity.
- ▶ Easy Pole/Wall mount.

SPECIFICATIONS

Model	ACTIVE-50
Detection Range	Indoors 100 m (328 ft) ; Outdoors 80 m (262 ft).
Power Supply	12V DC
Maximum Current Drain	Transmitter unit 57 mA ; Receiver unit 30 mA.
Alarm Contacts Endurance	(N.C. or N.O.) 0.5A/24V DC (Max.)
Tamper Switch Contacts Endurance	(N.C.) 0.1A/24V DC (Max.)
Alarm Time	2 Seconds
Interruption Time To Cause An Alarm	50 to 500 Millisecond
Internal Alignment Angle Adjustment	+/-5°, Horizontal +/-90°
Operating Temperature	(-)37°C ~ 70°C (-4°F ~ 158°F)
Dimension (mm)	64(W) x 160(H) x 64(D)

* All Specifications / colors are subject to change without notice. (V.01)