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ENVIROMUX-PBD-SO50

Single Photobeam Detector, Indoor/Outdoor

Single infrared beam, Up to 50ft (15m), Small size

The ENVIROMUX-PBD-SO50 is a simple, easy-to-use, and easy-to-install single-beam infrared motion sensor. The device easily installs almost anywhere to provide an invisible beam that, when broken, sends a signal to activate a light, beeper, or other device. This makes the device perfect for use as part of an access control system, a door or window monitor, a retail store customer alert, an environmental monitoring system or many other places where the user needs to know that someone has entered a specific room or building or other protected area. The ENVIROMUX-PBD-SO50 is weather-proof, and comes with a built-in AGC control circuit that helps to filter out possible disturbance caused by local lighting conditions.

Features:

- Small size for a less conspicuous installation
- Simple to install
- Built-in AGC control to filter out lighting disturbances
- Signal strength indicator for easier alignment
- LED indicators for power, signal strength, and alarm
- Weatherproof for outdoor as well as indoor use (IP65)
- Mounting hardware included

Specifications:

Number of beam channels		Single infrared beam
Number of beam frequencies		1
Sensor range		Up to 50ft (15m)
Infrared LED wavelength		940nm
LED beam spread angle		Approximately ±10°
Interrupt speed*		50ms
Input power		10~24VDC
Current draw (max)	Transmitter	15mA@12VDC
	Receiver	30mA@12VDC
Relay output		NO/NC relay (set by jumper, default is N.C.) 0.5A@30VAC/VDC
LED (Transmitter)		Green - Indicates connected to power
LEDs (Receiver)	Power (Green)	Indicates connected to power
	Signal (Yellow)	Indicates receiver's signal is weak or beam is broken
	Alarm (Red)	Indicates transmitter and receiver are not aligned or beam is broken
IP rating		IP65
Operating Temperature		-13°~131°F (-25°~55°C) maximum humidity 95%
Dimensions		3"x1 15/16"x1 3/16" (76x48x30 mm)
Weight		1.2-oz (34g)

*This is the minimum time interval for breaking the beam which will trigger the output.

Overview: