

Introduction

The detector is designed to detect intrusion (attempt of intrusion) into a protected volume (showcase) or/and to detect motion within the protected volume, and to indicate intrusion by generating an alarm signal via NC relay contact. The detector also provides a tamper contact output. It is compact, and easy to install and maintain marking on the cable. The detector may be installed inside jewelry shop showcases, museum showcases, safes, gun storage cabinets, and other closed volumes. The whole set includes one ultrasonic transmitter, one ultrasonic receiver and one control unit. The two ultrasonic sensors are installed inside the volume and connected to the control unit with cables, while the control unit can be installed inside or outside the volume.

Features

- Monitoring an entire volume.
- Possibility of several sensors within one volume.
- Adjustable sensitivity.
- Multilevel signal detection, functional self-control.
- Tamper contact output.
- LED indication of operational modes of the detector and of disturbances within the monitored volume.

Specification

Model	PS-UD201
Digital Processor	Controlled by microprocessor
Sensitivity Adjust	Continuously adjustable by variable resistor
Maximum Monitored Volume	1 M ³
Minimum Monitored Volume	0.03 M ³
Detection of Speed	0.02-1 m/second
Frequency of Ultrasonic	40,000 +/- 3 Hz
Mounting	Mounted inside showcase with swivel bracket for ultrasonic Transmitter and Receiver
Interference Rejection	RFI/EMI filtering with SMD technology
Alarm Indication	Red LED constant light 2 seconds
Alarm Output	N.C. , 30Vdc 0.15A with 30 ohm resistance
LED Indication	Yellow LED light: strength of signal Green LED lights: power on Red LED lights: alarm
Anti-Tamper Switch	N.C., opens when cover removed, 0.15A , 28Vdc
Power Input	10 – 15Vdc, 50mA
Operating Temperature	5~40°C
Operating Humidity	95%
Net Weight/Shipping Weight	0.2 Kg
Size of Control Module	51x99x20mm (WxHxD)
Size of Ultrasonic Transmitter & Receiver	20x30x40mm (without wiring)



Control unit



ultrasonic sensors