

REQUEST-TO-EXIT Passive Infrared Sensor OD-22

DESCRIPTION

The OD-22 passive infrared Sensor is specifically designed for request-to-exit applications, Standard OD-22 include qualified motion analysis. The OD-22 may be mounted to frame header, wall or ceiling. Intended for indoor use only.

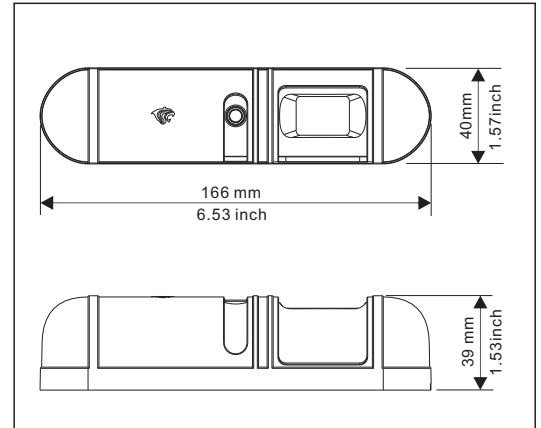
1. SPECIFICATIONS

Supply Voltage	12-24VDC or VAC.
Supply Current	18-30mA@12-24VDC, 45-80mA@12-24VAC
Relay Output	2C Contact(N.C/N.O), 24VDC 1A Max.
Detection Type	Passive infrared
Relay Hold Time	0.5-64 seconds
LED Indication	Red
Range	Coverage 12x5 ft at 7ft high, 30x12 ft at 15 ft high(Adjustment)
Operating Temperature	-14°F to 131°F (-10°C to 55°C)
Weight	0.4lb (0.18kg)
Humidity	0-95% non-condensing
Dimensions	6.53"Wx1.57"Hx1.53"D (166x40x39mm)

FEATURES

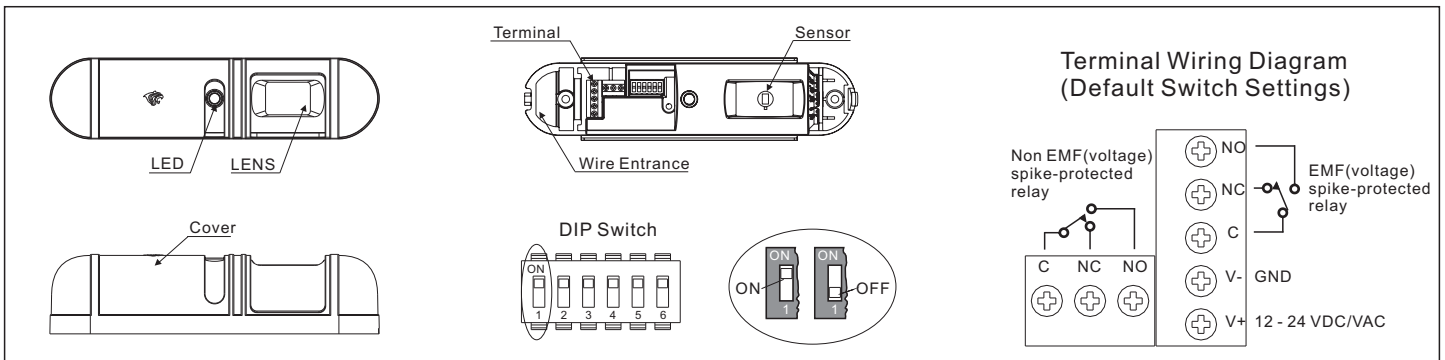
- Adjustable 0.5-64 second time delay
- Micro-based signal processing
- High sensitivity
- Available in white or brown enclosure

2. DIMENSIONS



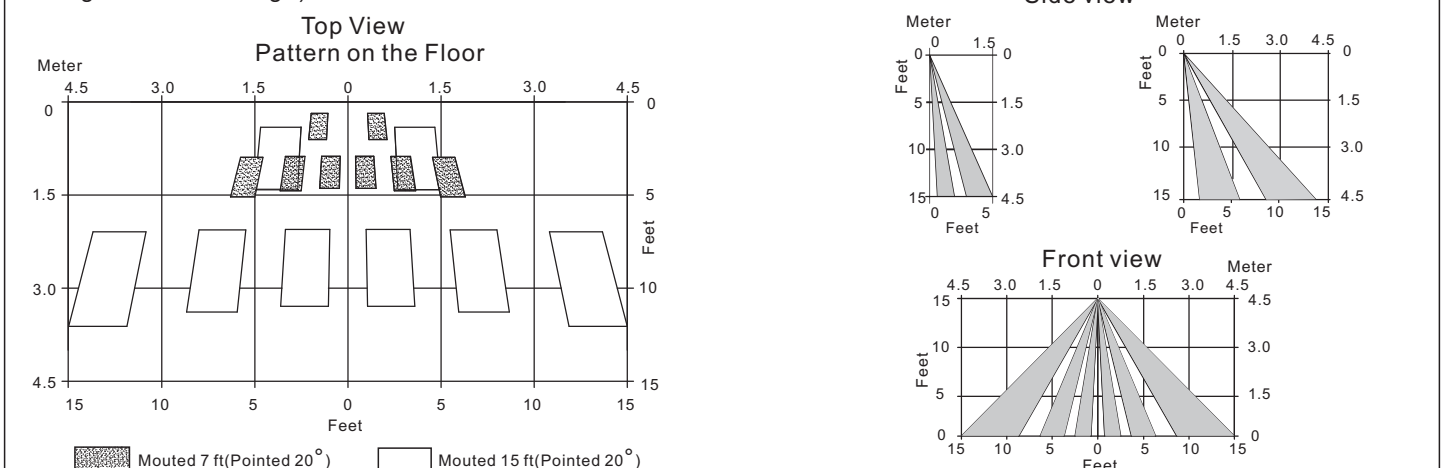
*Specifications and design are subject to change without prior notice.

3. DESCRIPTION AND OPERATION



4. DETECTION PATTERN

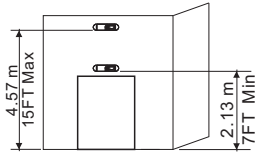
The figures below show the Standard Patterns for a Wall-mounted Unit, Rotating the lens to adjust the detect range(long range and short range).



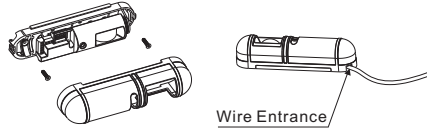
5. INSTALLATION

Mounting Procedure

1. Select a mounting location over the center of the door or doors to be covered. The target must walk directly toward the detector. Mount the detector on the ceiling, wall, or door frame.
2. Remove the front cover from the detector.
3. Route the wiring as necessary through the wiring entrance (refer to the item 3 description and operation). For surface wiring, use the break out wiring entrance on the front cover (at the same end as the wire entrance).
4. Loosely mount the back cover to the mounting surface using the supplied mounting screws.
5. Aim the detector for the desired coverage.
6. Mount the front cover on the detector.

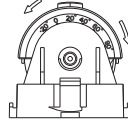


The mounting height range is from 7ft to 15ft

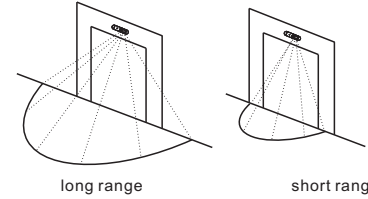


Long Range/Short Range Adjustment

The OD-22 can be set to detect individuals at either a long range (several steps from the door) or at short range (immediately in front of the door). If the building includes a lengthy approach to the exit doorway and no other foot traffic in the area, choose the long range setting.



Angle Adjustment (-20° to 90°)



Choose between long range and short range detection patterns by adjusting the detector's angle

Setup and Testing

1. Apply power to the unit.
2. Wait at least 3 min for the detector to settle.
3. Test the unit by walking directly through the coverage area, toward the door.
4. Aim the detector up or down if necessary to obtain the proper coverage.
5. Check that the relay latch time is sufficient. Adjust if necessary.
6. After confirming proper operation, replace the cover and walk test one more time to ensure the coverage has not changed.

6. WIRING

Latch Time

DIP Switch 1, 2, and 3 set the relay time. Latch time is adjustable from 0.5 sec to 64 sec. It indicates the amount of time the relay can remain active after the detector first sees motion.

Table 1: Latch Time DIP Switch Settings

Time(sec)	Switch 1	Switch 2	Switch 3
0.5(Default)	OFF	OFF	OFF
1	ON	OFF	OFF
2	OFF	ON	OFF
4	ON	ON	OFF
8	OFF	OFF	ON
16	ON	OFF	ON
32	OFF	ON	ON
64	ON	ON	ON

Table 2: LED Enable/Disable DIP Switch Settings

Switch 4	Function
OFF	Disabled
ON	Enabled (Default)

Table 3: Relay Mode DIP Switch Settings

Switch 5	Function
OFF	Fail Secure
ON	Fail safe (Default)

Table 4: Resettable/Non-resettable DIP Switch Settings

Switch 6	Function
OFF	Non-resettable
ON	Resettable (Default)

7. TROUBLE SHOOTING AND MAINTENANCE

TROUBLE	TROUBLE CAUSE	REMEDY
Unit does not power up	No or low input power.	Apply proper input voltage.
	Input power polarity reversed.	Correct wiring polarity.
Alarm LED does not light	LED jumper is set to "LED OFF".	Set LED jumper to "LED ENABLE"
	Incorrect sensor mounting height	Increase / decrease mounting height
LED indicates light, no signal output	Incorrect wiring at output terminals	Correct wiring fault.
	Lightning damage	Replace sensor.
Unit continues to operate after the input power has been disconnected.	The wire to the "V-" power input was disconnected, the "V+" is still connected.	Disconnect wire from the "V+" power input.

MAINTENANCE

INSPECTION: An inspection of this unit should be made periodically, consisting of, but not limited to all mounting, wiring and the condition of the interior area and components.

CLEANING : Clean the plastic parts of this unit with a soft, clean, cloth dampened with water.

TESTING : This unit should be tested routinely for proper operation. At a minimum, operation should be fully checked yearly.



AIN TECHNOLOGY(SHENZHEN)CO.,LTD

3F,C6 Building,Hengfeng Industrial City,He Zhou,Baoan,Shen Zhen,China.

Tel. : + 86-755 - 3321 0588

Fax.: +86-755-3321 0600

E-mail: sales@ain-cn.com

Http : // www . ain-cn.com

AI NEXT LLC

4700 Aircenter Circle,Reno Nevada,89502 USA

Tel. : +1-775-827-8000

Fax.: +1-775-827-8044

E-mail: info@aleph-usa.com

Http : // www.aleph-usa.com