CE ⊙

EN 50131-2-2 grade 2
EN 50130-5 class II

Air2-XIR200W

INDOOR WIRELESS PASSIVE INFRARED DETECTOR FOR INTRUSION ALARM SYSTEMS

The Air2-XIR200W passive infrared detector is perfect for professional use in all types of wireless indoor applications.

Digital signal processing (DSP) and a dual pyroelectric PIR element provide the Air2-XIR200W with a perfect combination of high sensitivity and an ultra-low false alarm rate.

The powerful combination of PIR digital signal processing and the latest extremely-stable signal amplification and filtering technology allows this device to respond efficiently to intrusion in the protected area and to deliver superior catch performance and precision.

DSP technology provides temperature compensation for perfect operation in the protected area.

It has an integrated motion sensor that provides both motion and tilt protection and, thanks to the capabilities of innovative wireless technology, is suitable for a vast range of residential and commercial applications.

The Air2-XIR200W passive infrared detector is supervised by the "Air2" two-way system and Inim's SmartLiving intrusion control panel which, when duly programmed, provides flexible solutions for all types of installations.

MAIN FEATURES

The main features of the Air2-XIR200W are:

- Digital analysis of signals
- Detection range 12m
- Detection angle 100°
- Bypassable alarm LED
- Automatic temperature compensation
- Sensor sensitivity adjustment
- Bypassable sensors
- Pulse count
- Anti-tamper switch
- Movement and tilt tamper

DETECTOR'S TECHNICAL SPECIFICATIONS

Battery	Lithium CR17450 3V (included)	Alarm pulses	from 1 to 4
Battery life	3 years	Detection range	12m
"Low battery" fault voltage	less than 2.4V	Detection angle	100°
Stand-by current draw	20µA	Installation method	wall mount
Maximum current draw	30mA	Installation height	2.2m
Sensor type	digital dual PIR	Environmental conditions	from -10 to +55°C, ≤93%
Alarm signal minimum duration	5s	Size (HxWxD)	120x60x44mm
		Weight	98g

"AIR2" INTERFACE TECHNICAL SPECIFICATIONS

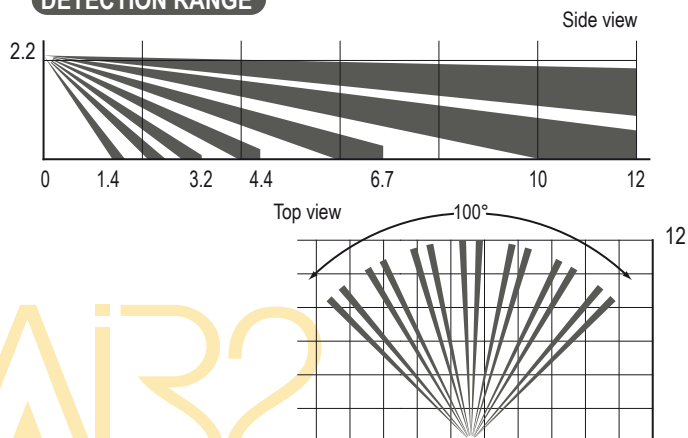| Operating frequency	868.6MHz		
Communication type	two way	Detector supervision	from 12 to 120 min
Modulation	GFSK	Security grade	2
Channels	3	Environmental class	II

GENERAL VIEW

1) Mounting screw locations
2) Battery
3) Alarm LED
4) PCB retaining screw
5) Anti-opening tamper
6) ENROLL button
7) PIR sensor (infrared)
8) Cover retaining screw location

OPERATING PRINCIPLES

- Motion in the area protected by the Air2-XIR200W activates the device status LED and generates an alarm signal for a minimum of 5 seconds. The detector will not sense for alarm conditions for 3 minutes after generating an alarm signal.
- The Air2-XIR200W is protected by:
  - tamper switch mounted on the main circuit board that signal open tamper (see figure [5])
  - integrated sensor that senses for tilting
- The temperature in the protected area influences the performance of the detector.
- During the device programming phase, it is possible to adjust the operating sensitivity or disable the following functions:
  - PIR sensing
  - shock sensing
- The Air2-XIR200W can be programmed from the SmartLiving control panel:
  - via the keypad after accessing the Programming menu
  - through the SmartLeague software program after opening a SmartLiving solution and working on the respective system parts and parameters

DETECTION RANGE

INSTALLATION

1. Choose a suitable mounting placement.
2. Using a flat-bladed screwdriver in the enclosure screw location, push open the enclosure and separate the two parts.
3. Remove the PCB.
4. Open the anchor-screw holes.
5. Hold the base to the chosen mounting placement and mark the screw hole positions.
6. Using the screws, secure the base in position.

Notes:
- Recommended installation height: 2.2m.
- Do not drill in the vicinity of electrical wiring or plumbing, etc.
- The detector should be located in place that is far from sources of interference, such as: reflective surfaces, direct air flow, air-conditioning systems, windows, steam, oil vapour, infrared sources, power lines and appliances which may cause temperature changes (heaters, ovens, refrigerators, etc.).
- Do not blind the field of detection of the sensor, even partially.
- The alarm LED should be located over the lens.

7. Replace the PCB.
8. Insert the battery, ensure you respect the proper polarity.
9. Enroll the device.

For details of the enrolling phase, refer to the manual of the AIR-BS100 transceiver.

Notes:
- Configure the Air2-XIR200W detector as an "INPUT" terminal on the control panel.
- Once the enrolling phase is complete, the device can signal alarm status continuously for 5 minutes.

10. Attach the front of the device enclosure and fasten the securing screw into its hole.
11. Complete the programming process and adjust the operating sensitivity.

WARNING

- This detector must be installed in compliance with the laws and standards in force.
- Do not touch the electronic components as this may damage the circuits and reduce the reliability of the detector. If necessary, clean the detector with a soft cloth only.
- Do not install the detector in locations where there is risk of rapid temperature changes.
- Install the detector strictly in accordance with the instructions in this leaflet.
- The device should be tested on a regular basis.

DECLARATION OF CONFORMITY

Lietuvių: Šiuo Inim Electronics s.r.l. deklaruoja, kad šis Air2-XIR200W atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
English: Hereby, Inim Electronics s.r.l., declares that this Air2-XIR200W is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Nederlands: Hierbij verklaart Inim Electronics s.r.l. dat het toestel Air2-XIR200W in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Norsk: Inim Electronics s.r.l. erklærer herved at utstyret Air2-XIR200W er i samsvar med de grunnleggende krav og øvrige relevante krav I direktiv 1999/5/EF.
Polski: Niniejszym Inim Electronics s.r.l. deklaruje że Air2-XIR200W jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy 1999/5/EC.
Português: Eu, Inim Electronics s.r.l., declaro que o Air2-XIR200W cumpre os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.
Română: Prin prezenta, Inim Electronics s.r.l., declară că aparatul Air2-XIR200W este în conformitate cu cerinţele esenţiale şi cu alte prevederi pertinente ale Directivei 1999/5/CE.
Svenska: Denna utrustning är i överensstämmelse med de väsentliga kraven och andra relevanta bestämmelser i Direktiv Försäkran om över 1999/5/EC.
Slovenski: Inim Electronics s.r.l. izjavlja, da je ta Air2-XIR200W v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive 1999/5/ES.

The declaration of conformity may be consulted at www.inim.biz/certifications