



IP alarm LKM AX-780 P2P

IP Alarm

INTRODUCTION

Introduction to IP alarm. Cloud based home burglary alarm system

Alarm IP LKM AX-780 P2P

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GENERAL DESCRIPTION

IP Alarm is a new burglar alarm system controlled by your smart phone or tablet via the internet. The IP Alarm Cloud drives the system, which provide you with information about who enters your house, which sensor has been triggered etc. Notifications are distributed to friends and neighbors, either by PUSH or email. Power and internet connections are surveyed online. Should one interrupt the power or the internet, the system will notify you within seconds. The app can monitor and control the system from anywhere as long as your phone or tablet is connected to the internet. [GPRS; 3G; Wi-Fi etc.]. The central unit of the system is the IP Alarm Scanner.

Do not expect a lot of buttons and displays. All control is done by the app.
Easy and convenient - always in the palm of your hand!

INSTALLATION

The system is a DIY [Do it yourself] system with a minimum of setup. Just download and install the 'IP Alarm' app from Google Play or Apple App Store. Make sure the system is powered up and connected to the internet. Check that your mobile device is connected to the internet. Enter the alarm ID and password in the app and follow the guides. Please, study the help sections for further details and learn more about the individual components in this introduction.

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DOOR/WINDOW SENSOR

DESCRIPTION

IP Alarm's door/window sensor is an intelligent switch, which you attach to the doors and windows or other places in your home where you want control or an alarm in the event of a break-in.



THE LED DIODE

The sensor is fitted with a discreet diode, which glows when the switch is communicating with the IP Alarm system.

FITTING

Avoid drilling holes in your doors and windows. Both parts of the sensor should be applied with a little piece of special tape, which is included in the package.

BATTERY LIFETIME

The intelligent part of the sensor is fitted with a small battery, which you can change easily. No tools needed. Just press the little tab on the side of the plastic hood, and open the housing. After the battery is changed, the parts click together easily and you are ready for another 1-2 years of running time. IP Alarm will notify when the batteries need changing.

RANGE

The range of IP Alarm's door/window sensor is ca. 300m in open country, but that number is not practically applicable. Depending on the walls, materials, etc., the range will vary. To improve the signal, you can try either moving the sensor or perhaps moving the scanner. If neither of these options has any effect, you can extend the range by installing an IP Alarm signal extender.

SPECIFICATIONS

- Power source: 1 battery 12V type: NM27
- Life span, battery: 1-2 years
- Surrounding temperature: 0°C - + 40°C
- Weight: ca 20g

HOW TO ADD DOOR SENSOR

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1. Go to the Device menu. Press '+' to add Device
3. Pick the Door sensor illustrated and press "Enroll"(see the video).
4. Activate the device twice to enroll the device to alarm host.

TIP!

Rename the device to organize all devices and their positions.

GASDETECTOR

DESCRIPTION

IP Alarm's gas detector is an electrochemical sensor, which sounds the alarm if your gas boiler or stove is leaky.

The unit is in direct contact with IP Alarm and can therefore be seen online. The sensor reacts to LPG as well as natural gas (LNG). In this way, you can keep an eye on your gas boiler and stove if you use gas for cooking or heating purposes.

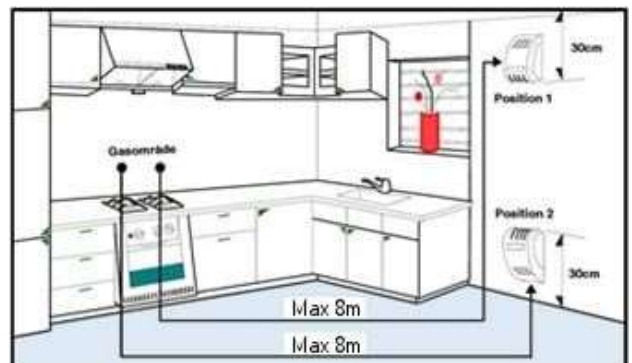
FITTING

It is vital that IP Alarm's gas detector is correctly installed. According to which type of gas you wish to be able to detect, the unit must be installed thereafter. The various types of gas are best detected either at floor or ceiling level - depending on which type you wish to detect.

- LNG (Natural gas)

LNG or liquefied natural gas is the liquid form of what we normally call natural gas. It belongs among the gas types, which are lighter than air and therefore seek upwards. If you want your gas detector to warn you of leakages of this type of gas, you must place it roughly 30cm from the ceiling. (See the illustration to your right).
- LPG (Bottled gas)

LPG or liquefied petroleum gas can be bought bottled or delivered at petrol stations.



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LPG is heavier than air and seeks downwards in the event of a leakage. The best place to install your IP Alarm's Gas detector to detect this gas type would be ca 30cm from the floor. (See the illustration to your right).

SIREN

In the event of a gas leak, the gas detector siren will sound off a full, unabridged alarm.

Should this occur, please take the following precautions:

- Turn off the main valve for the gas appliance and turn off all combustion sources such as open fires, wood-burning stoves, and gas stoves.
- Open all windows and doors and evacuate the house immediately!
- Should anyone experience side effects because of gas poisoning such as headaches, dizziness, nausea, or other influenza-like symptoms, seek medical assistance urgently.
- Do not reenter the building until the problem has been corrected and the gas is gone.
- Call a qualified technician to inspect and repair the issue before you restart the gas-appliances.

TEST

Test the function of your gas detector by holding a lighter close to the unit. Open for the gas of the lighter for ca 3-8 seconds without igniting the flame. The siren will be activated both by the unit, the IP Alarm Scanner, and the other sirens of the system.

When the gas detector is activated, your IP Alarm system will set off the alarm when the scanner receives the radio signal. You can stop the alarm by disarming your IP alarm via the remote control or on your mobile phone.

RANGE

The range of the gas detector is ca 100 m in open country. Of course, that number is not practically applicable, as the range varies according to how many walls there are in the house and the materials of them.

To improve the signal, you can try either moving the sensor or perhaps moving the scanner. If neither of these options has any effect, you can extend the range by installing an IP Alarm signal extender.

SPECIFICATIONS

- Gas concentration in the event of an alarm:
 - LNG: 0,1~0,5%
 - LPG: 0,05~0,3%
- Power usage: Max 2W
- Size: 70x40x115 mm

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HOW TO ADD THE GAS DETECTOR

1. Open devices menu. Press ADD
2. Pick the device and press ENROLL
3. Activate the device twice to enroll the device to alarm host.
TIP! Rename the device to organize all devices and their positions..

NOTE:

IP Alarm's gas detector uses an electrochemical sensor to detect the gas. The life span of this sensor is ca 5 years. Before that expires the unit ought to be replaced.

MOTION DETECTOR [PIR]

DESCRIPTION

IP Alarm's motion detector is what many call a PIR sensor (Passive Infrared) or PID sensor (Passive Infrared Detector).

In daily use, a motion sensor is one of the most important components in the surveillance of your home against break-ins. It is best placed in areas where you expect a thief to pass.

A little diode shows when the sensor is communicating with IP Alarm. All communication is done via the wireless technology, which the scanner and sensor utilize. You can see the sensor communicating when the light is on.



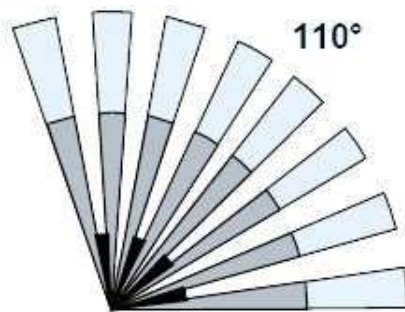
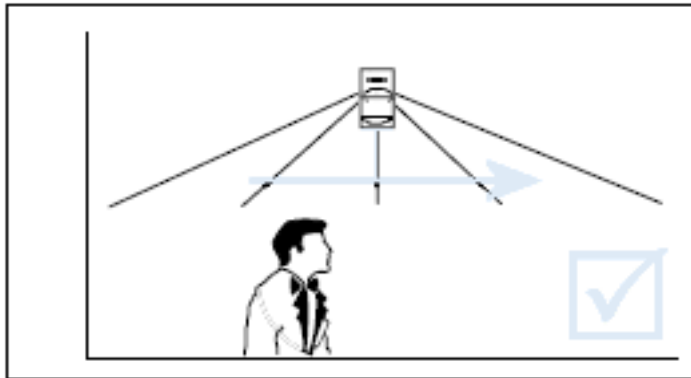
ENERGY SAVING FUNCTION

IP Alarm's motion sensor is designed to work for up to 2 years on the same batteries. One of the tricks IP Alarm uses is that it detects less when you are home. This means that the sensor will typically only sweep things every 5 minutes. Should a thief pass the motion sensor it will of course react immediately. Therefore, if you 'play' with the sensor, you should know that there are a delay of up to 5mins between every reaction.

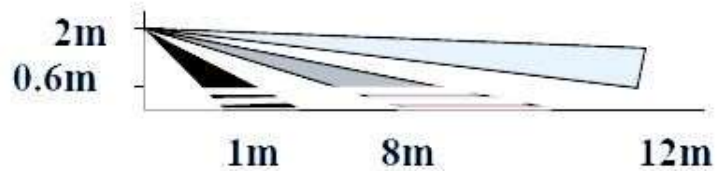
THE BEST PLACEMENT

1. Persons who move across the motion sensor are seen best, so place the unit so that the thief passes by the sensor. See the illustration below.
2. Place the sensor ca 2-3m from the floor.

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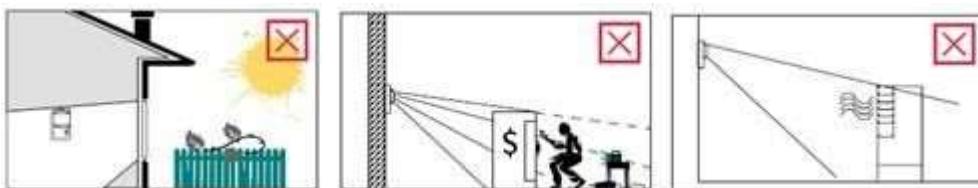
TOP VIEW



SIDE VIEW

THE WORST PLACEMENTS

1. Placement near heat sources. Heat sources generate a lot of dust. In addition, the infrared sensor reacts to heat. This can cause errors and false alarms.
2. Avoid placing furniture and the like which the burglar can hide behind.
3. Avoid letting the sensor point directly at any windows.



RANGE

The range of IP Alarm's motion sensor is ca 100m in open country, but that number is not practically applicable. Depending on the walls, materials, etc., the range will vary.

To improve the signal, you can try either moving the sensor or perhaps moving the scanner. If neither of these options has any effect, you can extend the range by installing an IP Alarm signal extender.

BATTERY CHANGING AND MAINTENANCE

We recommend disconnecting the hood and vacuuming the sensor on the inside once a year. Be careful not to damage the print card when you do. The life span of the batteries is up to 2 years. IP Alarm will let you know when they need changing.

PETS

IP Alarm's motion detector is immune to smaller pets. The immunity covers pets smaller than ca 18kg and lower than 60cm.

SPECIFICATIONS

- Angle of coverage: 110°
- Immunity: Up to 18 kg, 60cm tall
- Effective Distance: Max. 12 m at 25°C
- Power source: 1 pc 9V alkaline batteries
- Height of installation: 2-3 meters
- Surrounding temperature: -20°C - +50°C
- Maximum humidity: 95%RF
- This unit is for indoor use only.

HOW TO ADD PIR DETECTOR

1. Open device menu. Press ADD
2. Pick the device and press ENROLL(see the video)
3. Activate the device twice to enroll the device to alarm host.

TIP!

Rename the device to organize all devices and their positions.

OUTDOOR SIREN

DESCRIPTION

The IP Alarm Outdoor Siren stresses any burglar to the limit. This outdoor siren points its flashing lights and loud alarm signal at your house. The siren is best placed on the ceiling or outdoors.



WIRELESS WITH EXTERNAL POWER SUPPLY

IP Alarm's outdoor siren must be registered to your IP Alarm scanner to work. This happens wirelessly, of course. The siren will then automatically go off when an alarm is triggered. It is supplied with power from a power supply and a build-in backup battery.

ONLINE

When you connect your siren to your IP Alarm scanner, it automatically goes online. It is then activated in the event of burglary, fire or gas leakage. Only devices enrolled to IP Alarm will work.

RANGE

The range of your IP Alarm's outdoor siren is ca 100m in open country, however, this number is not practically applicable. Depending on the number of walls, materials, etc., the range will vary. To improve the signal you can try either moving the sensor or perhaps moving the scanner. If neither of these options has any effect you can extend the range by installing an IP Alarm signal extender.

SPECIFICATIONS

• Power:	110~230VAC
• Alarm Duration:	Max. 3 minutes
• Range:	100m (Open area)
• Backup time:	Ca 4 hours
• Humidity:	10-95%Rh
• Temperature:	-10°C - +40°C
• Sound level, Siren	130dB
• Feature	IP65 and waterproof

HOW TO ADD THE OUTDOOR SIREN

1. OPEN DEVICES MENU. PRESS ADD.
2. PICK THE DEVICE AND PRESS ENROLL(See the video)
3. Connect power to the siren
4. Within 30sec. arm the alarm and trigger it to start the siren. The new siren will now adapt the signal from alarm host to pair the device.
5. Press the test button in the alarm APP and await the acoustic confirmation by the siren.

REMOTE CONTROL



DESCRIPTION

IP Alarm remote is the simple solution for children and others who need an easy and uncomplicated way to turn the security system on and off.

The remote control is fitted with a little diode which lights up when it transmits a signal.

BUTTONS

IP Alarm's remote has 4 buttons, which can be used separately.

Button 1:

- Disarming the burglary alarm or disconnecting in the event of an alarm.
- Disconnect the burglary alarm.
- Disconnect the home security mode.
- Stop an alarm where the sirens sound off.

Button 2:

Arm the system
Connect the burglary alarm.

Button 3:

Connecting the home security, secures the doors and windows in the system whilst your motion sensors stays inactive so you can stay in the house without the alarm sounding.

Button 4:

use this button, to activate the panic alarm. The system will send an alarm notice to those who you have included in your security service.

RANGE

The range of your remote control is ca. 100m in open country, however, this number is not practically applicable. Depending on the number of walls, materials, etc., the range will vary

To improve the signal, you can try either moving the sensor or perhaps moving the scanner.

If neither of these options has any effect, you can extend the range by installing an IP Alarm's signal extender.

HOW TO ADD REMOTE CONTROL

1. Open device menu. Press ADD
2. Pick the device and press ENROLL.(See the video)
3. Activate the device twice to enroll the device to alarm host.

Tip!

Rename the device to organize all devices and their positions.

SCANNER

DESCRIPTION

The IP Alarm's scanner keeps watch in your home - even when you are not there.

The IP Alarm scanner is the alarm's central component. It gathers data and starts the sirens in the event of fire and break-in.



ONLINE

The scanner sends data to IP Alarm's protected servers online. Here is the data monitored and sent to your smartphone or tablet. For example by break-in, fire or smoke.

Unlike similar systems, IP Alarm is in constant contact with your home and you mobile devices. While you are away, IP Alarm's keeps an eye on the activity in your home.

CONNECTION TO THE INTERNET

The installation process is very simple. Overall, you have to connect two cables. Electricity and internet. IP Alarm's handles the rest. The two connection points are shown on the illustration to the right.

SUSPENSION

It is recommended to place the IP Alarm scanner somewhere central in the house so the wireless signals are optimized for all the units involved.

BATTERY BACKUP

The IP Alarm scanner is fitted with a battery, which functions as a backup if the electricity is cut off. The battery is switched OFF from the factory. Under the bottom of the scanner, there is a little switch for the battery. If you forget to turn it 'ON', IP Alarm will of course warn you.

THE SIREN

The Scanner has a built-in siren, which is activated in the event of a break-in, even if the internet is unavailable. If you have connected other units to IP Alarm, they will also be activated in the event of fire and gas leaks.

SETTINGS

The scanner has no settings for you to worry about. You do all system settings via your own smartphone app.

LED LAMP

The scanner is fitted with a LED light, which mean the following:

<u>Lamp</u>	<u>Power</u>	<u>Alarmmode</u>
Off	System off	
Blue light	External power connected	Disarmed
Blue light flashes slowly	External power connected	Armed or home-armed
Blue light flashes fast	External power connected	Alarm set off
Yellow light	Battery backup power low	

<u>Lamp</u>	<u>Mode</u>
Red light	'Sensor enroll' open
Red light flashes	'Sensor enroll' succeeded.

Warnings and alarm's resets by disconnecting the burglary alarm.

This is done via smartphone, IP Alarm's remote, or tablet.

Information:

The IP Alarms Scanner can handle more than 100 units at once.

RANGE

The wireless range of the IP Alarm's scanner is ca 100m in open country. That number is not very applicable in practice, however. Depending on the number of walls, materials, energy-saving windowpanes and the like, the range will vary.

You can improve the signal by either moving the sensor or possibly moving the scanner. If this does not work, you can extend the range by adding an IP Alarm's signal extender, which can repeat the signal.

SPECIFICATIONS

- Power Supply: 5VDC 1000mA regulated
- Radio Frequency: 868MHz
- Range: Max 300m
- Backup time: Ca 4 hours
- Humidity: 10-95%Rh
- Temperature: -10°C - +40°C

SMALL SIREN

DESCRIPTION

IP Alarm's indoor siren is for those who want a more powerful siren in case of an alarm, or for those with a big house where the built-in siren of the IP Alarm's scanner cannot be heard well enough.

ONLINE

When you connect the siren to your IP AlarmScanner, it will automatically go online. It is activated in the event of a burglary alarm, fire or gas leakage if the appropriate sensors are registered to the IP Alarm system.



RANGE

The range of your IP Alarm's indoor siren is ca100m in open country, however, this number is not practically applicable. Depending on the number of walls, materials, etc., the range will vary.

To improve the signal you can try either moving the sensor or perhaps moving the scanner. If neither of these options has any effect you can extend the range by installing an IP Alarm signal extender.

HOW TO ADD REMOTE CONTROL

4. Open device menu. Press ADD
5. Pick the device and press ENROLL.(See the video)
6. Activate the device twice to enroll the device to alarm host.

Tip!

Rename the device to organize all devices and their positions.

SMOKE

DESCRIPTION

IP Alarm's smoke detector uses the same wireless technology as other IP Alarm units.

The sensor reacts to smoke, and as soon as it detects smoke in the vicinity, IP Alarm's discover it, which immediately ensures that you are alerted. The alarm results in the IP Alarm scanner's siren working with the siren in the detector when it is activated. At the same time, you and your loved ones will be alerted by your smartphone or by email. You decide who needs to be alerted. You can easily adjust this in your notification center in the IP Alarm app. It minimizes the response time for help to those who cannot leave the house on their own. If you have allied with a neighbor, they might be there in a few minutes.



PETS

Do you remember your pets in the event of a fire? Normal smoke detectors protect you very well if they are heard, but if you are not home, it is a different story. The fifth member of the family in his doggy basket has a right to be helped as well - don't you agree?

DISABLING AN ALARM

The smoke siren continues as long as it detects smoke. If you want to disable the siren, you have to disconnect the unit and take it away from the smoke. Other sirens are stopped by disarming the IP Alarm's system. This is easiest to do via IP Alarm remote or a smartphone with the IP alarm app.

MAINTAINANCE

Monthly:

Check the function of your smoke detector.

You must make sure that you have an IP Alarm remote or your smartphone with a running IP Alarm App to hand when you test.

- Hold the test button on the smoke detector down for 5 seconds.
- The smoke siren will go off when you let the button go.
- Disable the alarm as described in the above section.

Yearly:

Clean the unit on the inside with a vacuum cleaner.

BATTERY

With IP Alarm's Smoke, you will not forget to change the batteries so they run out while you are on holiday, because IP Alarm's keeps an eye on the battery for you and lets you know even if you are not at home.

The life span of the battery is up to 2 years. IP Alarm will let you know when they need changing. The diode of the IP Alarm's smoke will also flash every 30 seconds.

SPECIFICATIONS

Power source:	9V Battery
Life span of the battery:	2 years
Surrounding temperature:	0- + 50°C
Surrounding humidity:	10% - 85%
Sound level, Siren:	85dB - 3m
Size:	Ø100x40mm

HOW TO ADD SMOKE DETECTOR

1. Open devices menu. Press ADD.
2. Pick the device and press ENROLL.
3. Activate the device twice to enroll the device to alarm host.

TIP!

Rename the device to organize all devices and their positions.

END