



IP Alarm

INTRODUCTION

Introduction to IP alarm. Cloud based home burglary alarm system

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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 system is driven by the IP Alarm Cloud which provide you with information about who enters your house, which sensor has been triggered etc. Notifications are distributed to friends and neighbors, ether 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;Wifi etc.]. The central unit of the system is the IP Alarm Scanner.

Don't 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 yourselves] 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.

DOOR/WINDOW SENSOR

DESCRIPTION

IP Alarms 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 to the door 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 little 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 Alarms 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 be reduced. 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

GAS DETECTOR

DESCRIPTION

IP Alarms 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 purposes.

FITTING

It is vital that IP Alarms 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 we wish to detect.

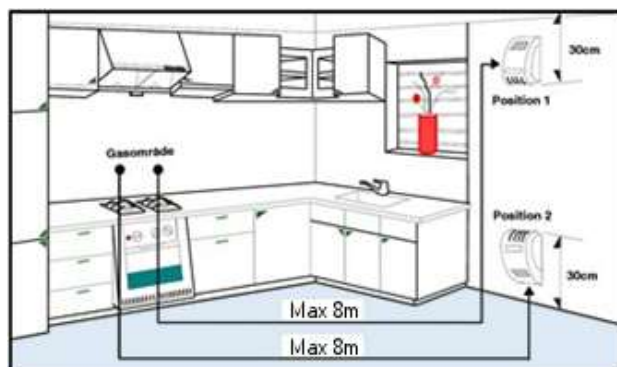
- LNG (Natural gas)

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 IP Alarms gas detector to warn you of leakages of this type of gas, you must place it roughly 20cm 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.

LPG is ca 1,6 times heavier than air and seeks downwards in the event of a leakage. The best place to install your IP Alarms 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 IP Alarms gas detector siren will sound off a full, unabridged alarm.

Should this occur, please take the following precautions:

- Turn off the main tap 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 as a result of gas poisoning such as headaches, dizziness, nausea, or other influenza-like symptoms, seek medical assistance urgently.
- You must 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

You can test the function of your IP Alarms 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 and by the IP Alarm Scanner, and the systems other sirens.

When your IP Alarms 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.

RANGE

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

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

NOTE:

IP Alarms 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 Alarms 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 and theft. 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.

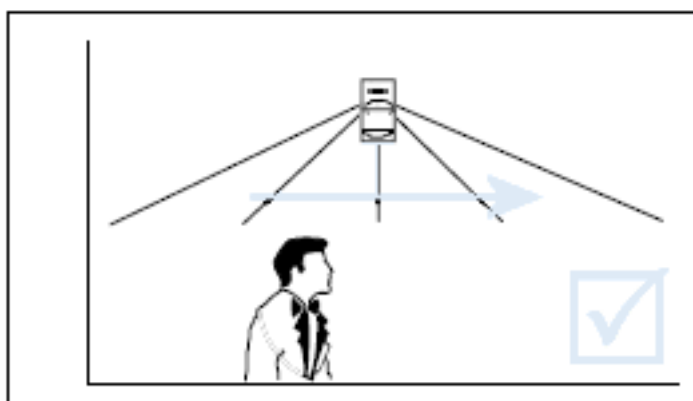


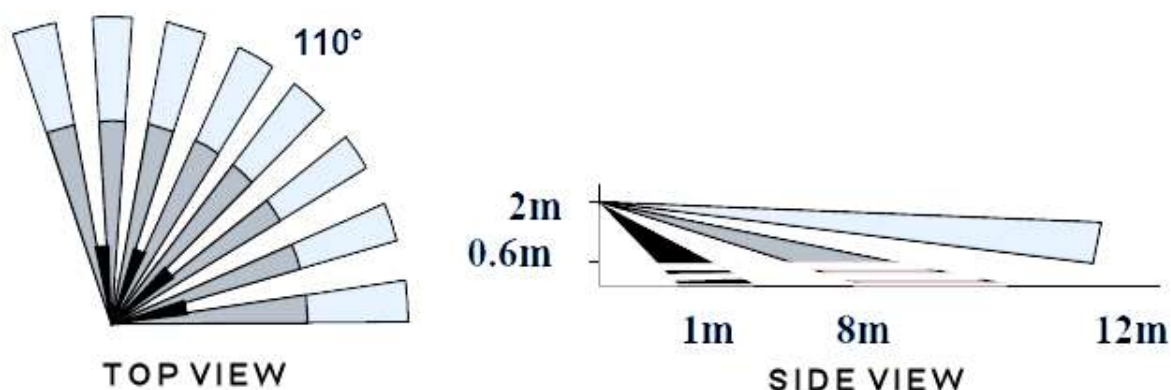
ENERGY SAVING FUNCTION

IP Alarms 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 IP Alarms motion sensor it will of course react immediately. So, if you 'play' with the sensor, you should know that there are a delay between every reaction.

THE BEST PLACEMENT

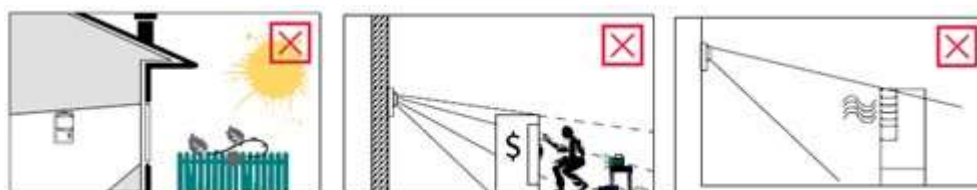
1. Persons who move across the IP Alarms motion sensor are seen best, so place the unit so that the thief passes by the sensor. See the illustration below.
2. Place the sensor ca. 2-3m from the floor.





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 Alarms motion sensor is ca. 300m in open country, but that number is not practically applicable. Depending on the walls, materials, etc., the range will be reduced.

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 Alarms 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 touch the print card when you do. The life span of the batteries is up to 2 years. IP Alarms will let you know when they need changing.

PETS

IP Alarms 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.

OUTDOOR SIREN

DESCRIPTION

The IP Alarms 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 Alarms outdoor siren must be registered to your IP Alarms 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 backup battery which comes included when you buy the siren.

THE SIREN ONLINE

When you connect your siren to your IP Alarms scanner, it automatically goes online. It is then activated in the event of burglary, fires, gas leakages, if your sensors are enrolled to your IP Alarms system.

RANGE

The range of your IP Alarms 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 be reduced.

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 Alarms signal extender.

SPECIFICATIONS

- | | |
|----------------------|-------------------|
| • Power | 110~230VAC |
| • Alarm Duration | Maximum 3 minutes |
| • Range: | 100m (Open area) |
| • Backup time: | approx. 4 timer |
| • Humidity: | 10-95%Rh |
| • Temperature: | -10°C - +40°C |
| • Sound level, Siren | 130dB |

SCANNER

DESCRIPTION

The IP Alarms scanner keeps watch in your home - even when you aren't there.

The IP Alarms scanner is the alarms central component. It gathers data and starts the sirens in the event of fire and break-ins.



ONLINE ON THE INTERNET

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

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

CONNECTION TO THE INTERNET

The installation process is very simple. All in all, you have to connect 2 cables. Electricity and the internet. IP Alarms handles the rest. The two connection points are shown on the illustration to the right.

SUSPENSION

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

BATTERY BACKUP

The IP Alarms 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 Alarms 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 are 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. All system settings are done by you via your own smartphone app.

LED LAMP

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

| Lamp | Power | Alarm mode |
|---------------------------|---------------------------|---------------------|
| Off | System off | |
| Blue light | External power connected | Disarmed |
| Blue light flashes slowly | External Power connected | Armed or home-armed |
| Blue light flashes fast | Ekstern strøm tilsluttet | Alarm set off |
| Yellow light | Battery backup power, low | |

| Lamp | Mode |
|-------------------|----------------------------|
| Red light | 'Sensor enroll' open |
| Red light flashes | 'Sensor enroll' succeeded. |

Warnings and alarms resets by disconnecting the burglary alarm.

This is done via smartphone, IP Alarms remote, or tablet.

Information:

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

RANGE

The wireless range of the IP Alarms scanner is approx. 300m 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 is reduced. 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 Alarms signal extender, which can repeat the signal.

SPECIFICATIONS

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

SMALL SIREN

DESCRIPTION

IP Alarms 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 in-built siren of the IP Alarms scanner cannot be heard well enough.

THE SIREN ONLINE

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



RANGE

The range of your IP Alarms indoor siren is ca. 300m in open country, however, this number is not practically applicable. Depending on the number of walls, materials, etc., the range will be reduced.

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 Alarms signal extender.

SMOKE

DESCRIPTION

IP Alarms smoke detector uses the same wireless technology as other IP Alarms units.

The sensor reacts to smoke, and as soon as it detects smoke in the vicinity it is discovered by IP Alarms which then immediately ensures you are alerted. The alarm results in the IP Alarms scanner's siren working with the siren in the detector when it is activated. At the same time, you and your loved ones can 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 "IP Alarm App". It minimizes the response time for help to those who can't 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're not home, it's 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 IP Alarms 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 stop by disarming the IP Alarms system. This is easiest to do via IP Alarms remote or a smartphone with the IP alarm app.

MAINTAIN - VACUUM YOUR SMOKE DETECTOR

Monthly:

Check the function of your smoke detector.

You must make sure that you have an IP Alarms 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 IP Alarms 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.

CHANGING THE BATTERY

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

The life span of the battery is up to 2 years. IP Alarms will let you know when they need changing. The diode of the IP Alarms 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 |

END