

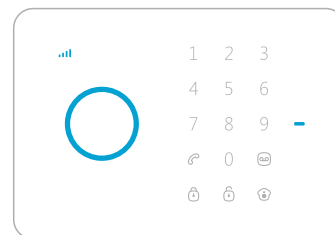


SECURITY KIT GSM

PROTECT YOUR HOME

INSTALLATION AND USER
MANUAL

HD-G005



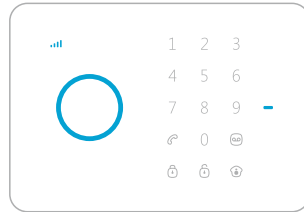
GSM - SMS - RFID - TOUCH
Wireless Security Alarm System



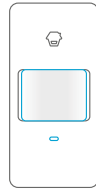
www.homedefender.it

Content of Package:

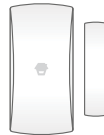
Control panel complete with internal siren, GSM dialer, RFID reader, backup batteries and 110~240VAC/12VDC power adapter.



PIR motion sensor complete with battery.



Magnetic door and window contact complete with battery.



4 button remote control complete with battery.



RFID tags.



HomeDefender intruder's alarm is a secure and efficient wireless alarm system protecting persons and property promptly indicating any attempt of intrusions by means of audible and visual alarms and with telephone calls and SMS messages.

The system consists of a programmable control panel to monitor and supervise the wireless detectors, command and control devices, motion sensor (IR technology) for internal protection of the premises and perimetric sensor to protect doors and windows.

By adding specific devices the equipment can also operate safety functions such as the Remote Help for the elderly and protect home against gas or water leaks.

All HomeDefender equipments, like this intruder alarm are based on RF technology, meaning that all the devices are connected wirelessly making installation easy and quick with high security standards ideal for DIY (Do-It-Yourself) applications.

To guide you through installation, to help you solve your problem or simply suggest how to make your home or office a safer place, call our free tech support.

We'll be happy to help you!

TECHNICAL SUPPORT
+39.02.4507 2208
Mon. - Fri. 9:00 - 13:00
support@homedefender.it

www.homedefender.it

Characteristics

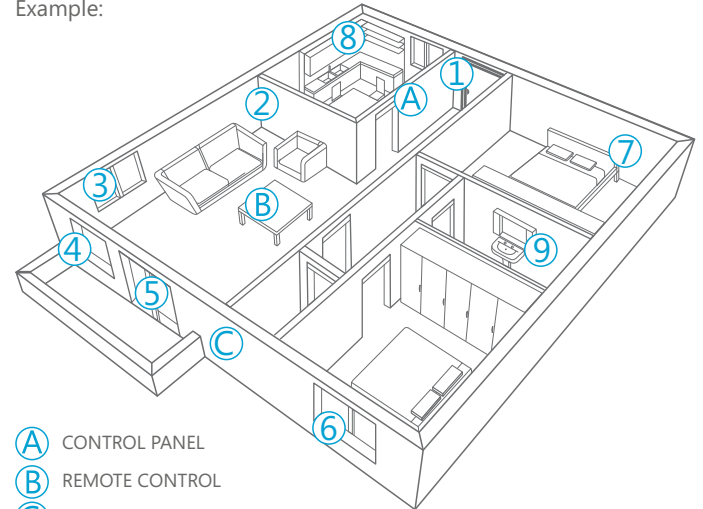
- ARM + Auror CPU
- Support up to 10 remote controls and 50 RFID Tags/Cards
- Support up to 50 wireless detectors
- Support up to 50 zones (9 personalised zone)
- Support 2 wired sensors and 1 wired siren
- Support 1 electronic door lock
- Up to 1,000,000 RF combinations
- GSM cellular communication
- Store up to 5 numbers for emergency SMS
- Store up to 5 numbers for emergency calls
- Store 1 number for SMS notification of RFID notifications
- Possibility to make phone calls directly from the control panel
- Records 1 voice memo
- Delay entry and exit
- Sensor low battery warning
- Arm and Disarm by SMS or phone call
- Settings inquiry by SMS
- Remote monitoring by phone
- Two 700mA Lithium batteries guarantee up to 15 hours stand-by
- SMS alert for power failure, power recovery and low battery
- Tamper protection

Alarm System Positioning plan

In order to ensure an efficient and secure protection of the installation place (home or office) all weak points need to be carefully identified. Every sensor identifies an individual zone and is recognised sequentially during the programming.

The names of the first 9 sensors can be personalised. The remaining are numbered from 10 to 50.

Example:



(A) CONTROL PANEL

(B) REMOTE CONTROL

(C) EXTERNAL SIREN

(1) Zone 1 Sensor: "Entry Door"

(2) Zone 2 Sensor: "Living Room PIR"

(3) Zone 3 Sensor: "Liv. Room. Window"

(4) Zone 4 Sensor: "Terrace Window"

(5) Zone 5 Sensor: "Terrace Door"

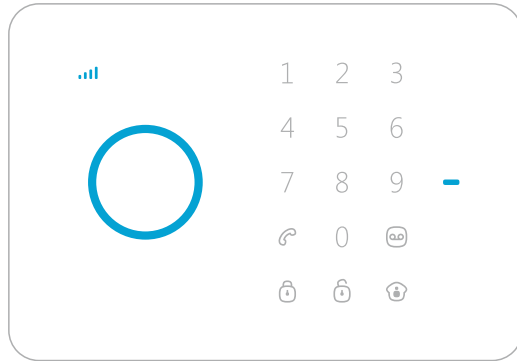
(6) Zone 6 Sensor: "Bed Room Window"

(7) Zone 7 Sensor: "Bed Room PIR"

(8) Zone 8 Sensor: "Kitchen Gas"

(9) Zone 9 Sensor: "Bath Room Water"

GSM - SMS - RFID - TOUCH Wireless Security Alarm System



HD-G005 is a domestic security system with GSM dialer that provides the following protection functions:

- INTRUDER ALARM using motion or perimetric sensors
- REMOTE HELP using remote control's panic button
- DOMESTIC SECURITY using Gas, Smoke or Water detectors
- REMOTE MONITORING using telephone

The system is configured and managed from the control panel by sending SMS and with telephone calls.

Any change of status is notified to the numbers in memory by SMS.

Operations

INTRUDER ALARM function can be programmed in 3 different ways:

- 1) Normal Mode (total protection): all sensors are armed.
- 2) Home Mode (partial protection): the perimetric sensors are armed while the motion sensors, previously programmed in Home Mode, are disarmed.
- 3) Delay Mode (total cover): the detectors programmed in this way allow a time delay to enable the protected rooms to be entered and exited without setting off the alarm.

REMOTE SUPPORT function can be armed in emergency situations by means of the SOS panic button on the remote controls.

The siren will sound, SMS and phone calls will be made as programmed.

DOMESTIC SECURITY function can be armed by configuring the smoke, water and gas detectors and arming perimetric sensors installed in zones not subject to access (H24 Mode: it always arms regardless of the system status).

REMOTE MONITORING is activated on every intrusion or by sending an SMS to the control panel that will call back immediately thus opening a hands free communication channel with the home or office where installed.

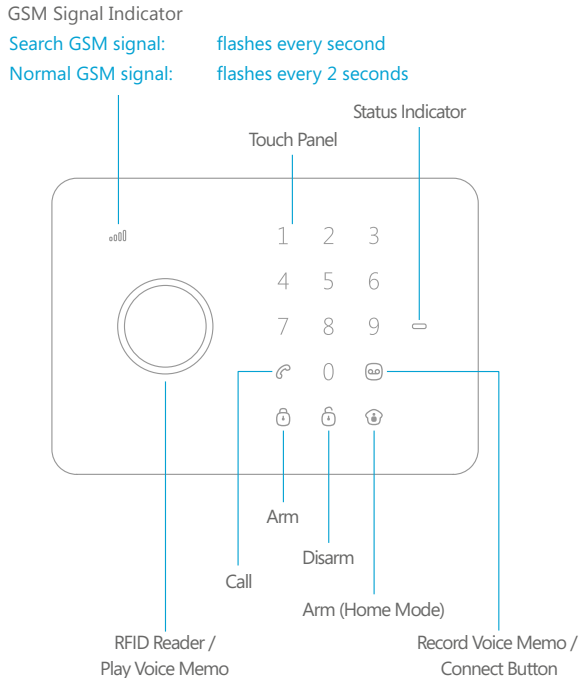
Particularly useful for communicating to people with restricted movement and to help them as needed.

The system can also be disarmed using RFID devices like "Cards" or "Tags".

The system support up to 50 RFID devices of which 4 can be personalized with user names.

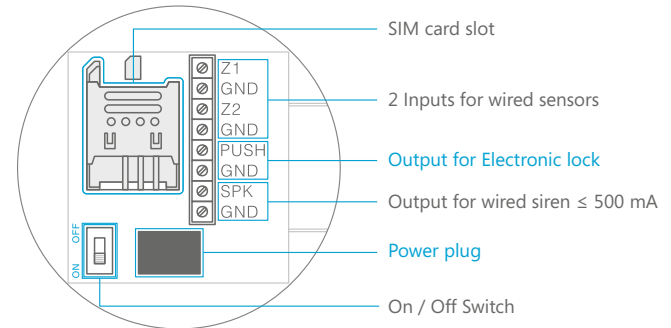
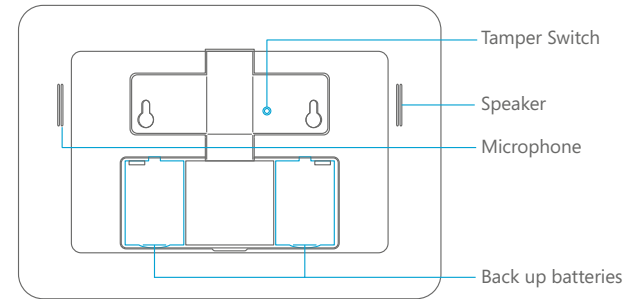
Whenever any RFID device is used an SMS notification message will be sent to the previously registered number.

Control Panel: Front



Touch panel is activated by finger contact, it is not necessary to press hard.
 The RFID reader needs to be within one centimeter to read the RFID devices without necessarily touching the panel.

Control Panel: Back

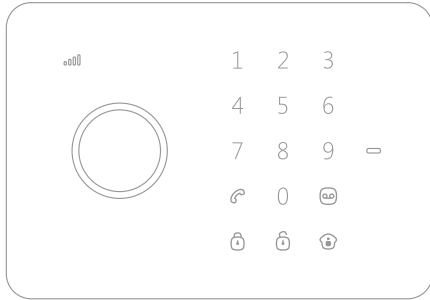


Insert SIM card in the slot before switching the system on with the ON/OFF switch.



A wired siren can be connected to the system and up to 2 wired sensors can be connected to Z1 (H24 Mode) and Z2 (Normal Mode) inputs.


The system automatically recognises the sensor's normal status (N/C – Normally Closed or N/O – Normally Open).

Control Panel: functions



Arm  to Arm the system.

Arm  (Home Mode)
Touch  to Arm the system in Home Mode and freely move in the domestic environment. Peripheral Sensors will be armed, while the internal ones will not communicate the presence of persons to the control panel.


Disarm  to Disarm the system (default password is: 1234).
Three beeps indicate wrong password. Type the password again.


Disarm with RFID tags.  to disarm the system.

Record / Play Voice Memo

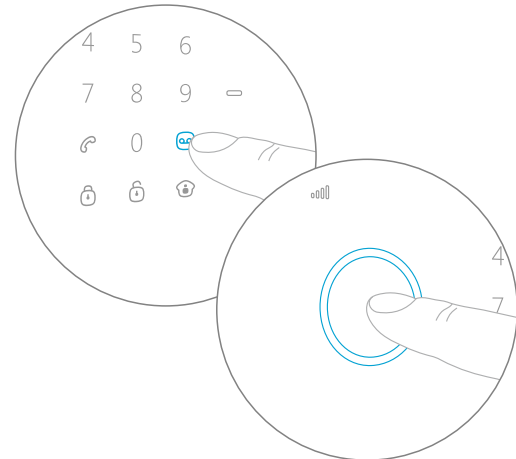
The system enables a 10 seconds voice message to be recorded for family members and/or colleagues.

The message can also be recorded remotely by sending an SMS. Using the control panel proceed as follows:

Touch  to the 10 second voice message.
The button will flash to confirm.

Touch  to play back the message.
The flashing light will go off once the voice message has been played.

Replay by touching  again.



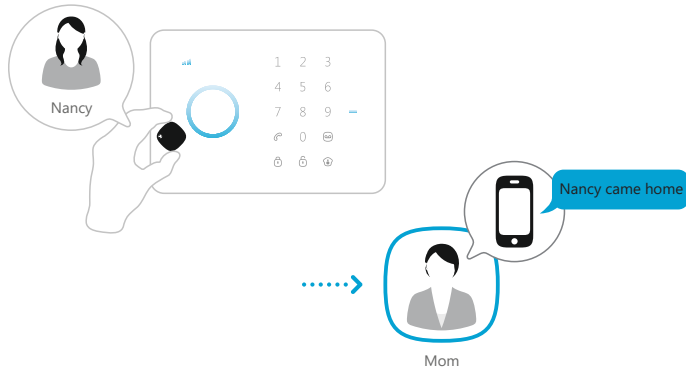
RFID tags

RFID is a technology that enables objects to be identified by means of radio frequencies (Radio Frequency IDentification).

It consists of a read/write system and devices that contain the information (TAGS/ Cards or labels).

Once the TAGS are programmed, passing them close to the reader will disarm the system and unlock an electronic door lock (if connected).

Up to 4 RFID tags can be renamed and one mobile phone number recorded to be notified by SMS when a RFID user disarms the system (SMS "7" Command - page 17).



Note:

Up to 50 RFID tags or cards can be registered.


4 RFID tags or cards can be assigned with the name of the holder in order to be informed by SMS of whom has disarmed the system.

Only one telephone number can be defined to receive the notification (SMS "10" Command - page 21).

Speed Dial


A specific telephone number can be recorded for Speed Dials (SMS "8" Command - page 18).


Touch  to Speed Dial. The LED lights on.

To end the phone call touch  again.

The LED lights off at the end of the call.

Phone Calls

Enter the telephone number to be called directly on the keyboard and touch  to start the call. The LED lights on.

To end the phone call touch  again.

The LED lights off at the end of the call.

Electronic Door Lock

If the premises entrance door is provided with electronic lock, it can be connected to the control panel to be operated by the RFID device.

Disarming the system will thus open the electronic lock connected to it.

SMS Operation

The advanced functions of the system must be programmed by means of SMS communications.

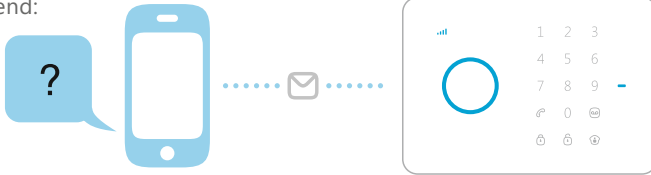
Make sure you have credit left and that the system has been unblocked with the PIN code before inserting the SIM card into the slot located on the back of the control panel.

Send an SMS to the number of the card with the text "??".

The guide menu to the operations is received in reply.

The menu is available at 3 levels to ease the interrogation.

Send:

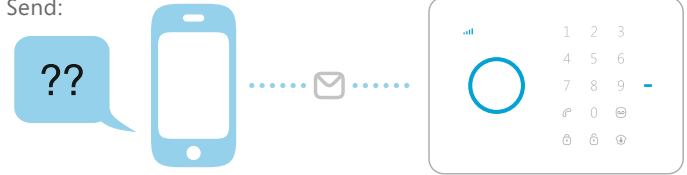


The response of the system contains the first level guide menu:

'0' Disarm
'1' Arm
'2' Home mode
'3' Two-way talk
'4' Call-back voice memo
'00' Settings inquiry
'??' Store phone and SMS No.

By interrogating the control panel by SMS the complete configuration of the alarm system can be managed as in the following examples.

Send:



The response of the system contains the second level guide menu:

'5' Store alarm phone No.
'6' Store alarm SMS No.
'7' Store SMS No. for RFID tags
'8' Store speed dial phone No.
'???' System setups

Send:

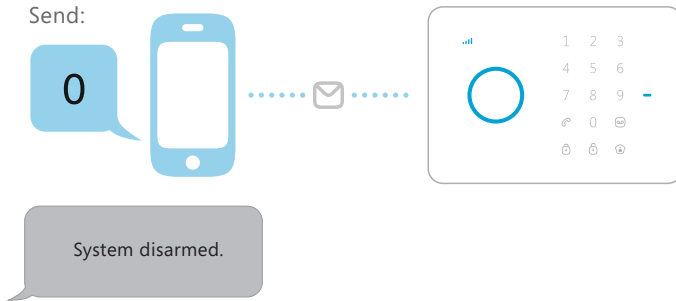


The response of the system contains the third level guide menu:

'91~99' Zone name
'10' RFID tags SMS notice
'11' Entry and exit delay time
'12' Siren volume and ringing time
'13' Disarm password
'14' Single zone delay time

SMS Command "0": Disarm

The "0" command disarms the alarm system.
The protected levels can now be accessed.
All the sensors are disarmed except for the sensors programmed in H24 Mode that will always stay armed.
If the system is armed with the alarm inserted, the siren will stop and the SMS messages and the composition of telephone calls will be interrupted.

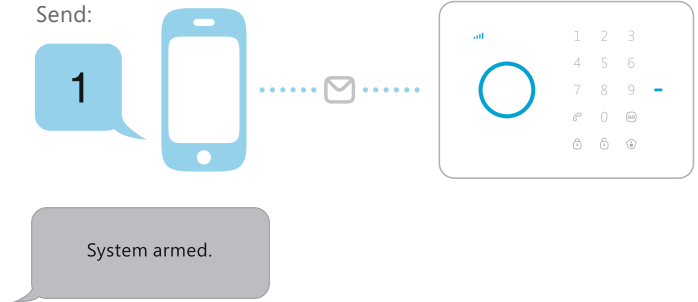


Nota Bene:

If the SIM card is inserted for the first time and the system is not yet programmed, the "0" disarm command is accepted by any number that generates the message.
After the first complete programming only the commands generated by the telephone numbers stored in the system will be recognised.

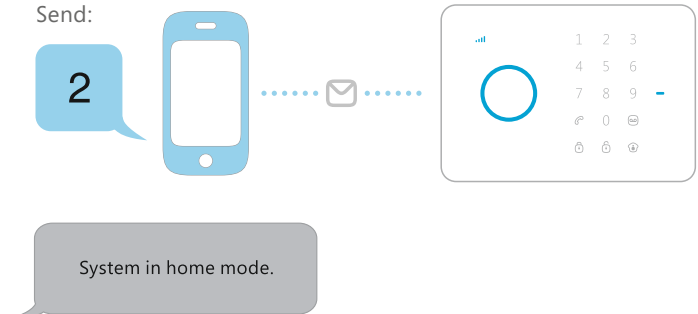
SMS Command "1": Arm

The "1" command arms the alarm system.
All the sensors are armed.



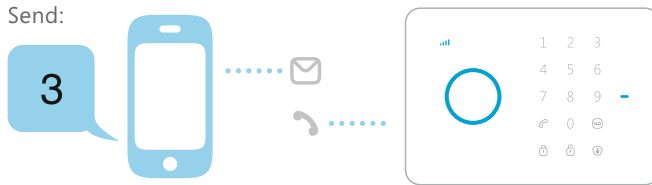
SMS Command "2": Arm Home Mode

The "2" command arms the alarm system in home mode.
Only the peripheral sensors are armed.



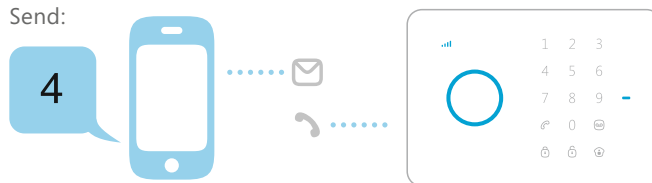
SMS Command "3": Remote Monitoring

The "3" command activate the call back function.
The control panel calls back the number from where the command came from.
Answer the phone call to be able to just listen or communicate by means of the alarm system.



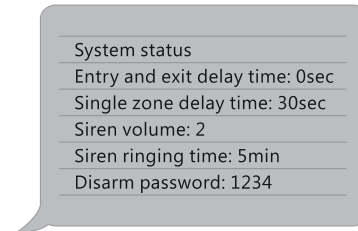
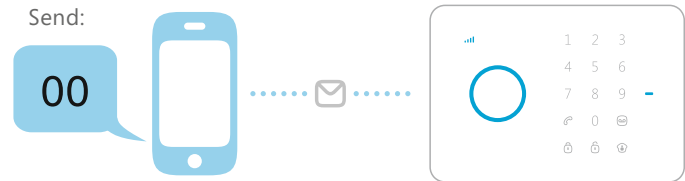
SMS Command "4": Record Voice Memo

The "4" command activate the call back function to record 10 seconds voice memo.
The control panel calls back the number from where the command came from.
Answer the phone call to record a 10 second message.
After 10 seconds the telephone call is interrupted.



SMS Command "00": Setting Inquiry

The "00" command asks the system to summarise the programmed settings and the current status.
In reply, as well as the system status (disarm, arm, arm home mode), the list of the settings will be obtained including the password to disarm the system from the control panel.



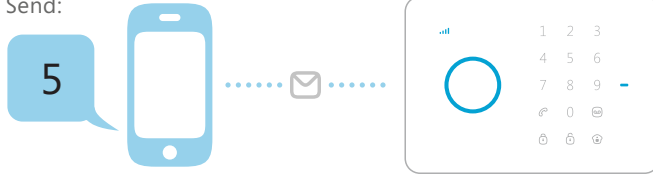
Note: The values shown are the default values as examples.

N.B.: The "00" command only responds to the telephone numbers previously stored in the system.

SMS Command "5": Store Alarm Phone No.

The "5" command displays and records the 5 reference telephone numbers for managing the system and for the emergency calls.

Send:



TEL:

- 1.
- 2.
- 3.
- 4.
- 5.

N.B.:

the system is set to call from the 1st to the 5th number in sequence and to repeat the process for three consecutive times if not disarmed beforehand.
This is to be certain to communicate the emergency.

Forward > Edit

TEL:

1. 67890033
2. 67890022
3. 67890011
4. 67890000
- 5.

Change the telephone numbers keeping in mind the priority with which they must be composed in case of emergency.

Store alarm phone No. successfully.

SMS Command "6": Store Alarm SMS No.

The "6" command displays and records the 5 reference telephone for the emergency SMS's.

Send:



SMS:

- 1.
- 2.
- 3.
- 4.
- 5.

N.B.:

the system is set to send the SMS's notifying the current emergency from the 1st to the 5th number in sequence.

Forward > Edit

SMS:

1. 67890033
2. 67890022
3. 67890011
4. 67890000
- 5.

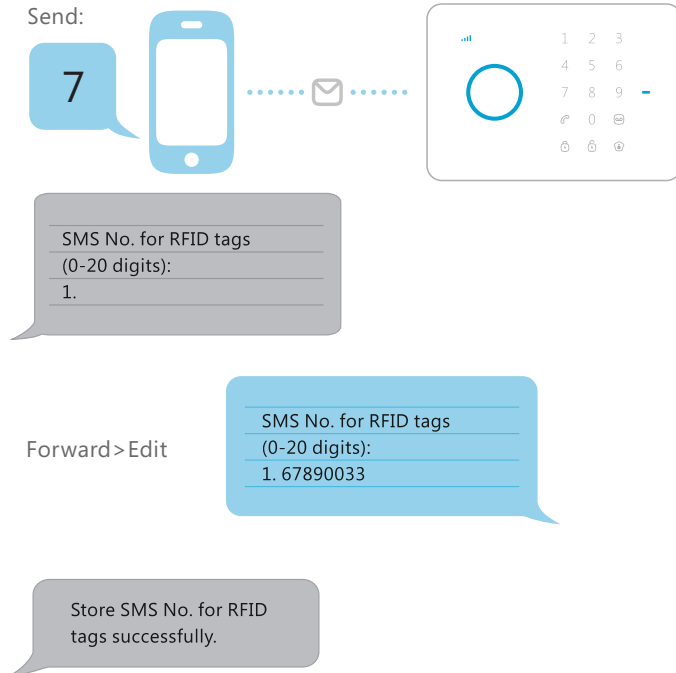
Change the SMS numbers keeping in mind the priority with which the messages must be sent in the case of emergency..

Store alarm SMS No. successfully.

SMS Command "7": Store SMS No. for RFID Tags

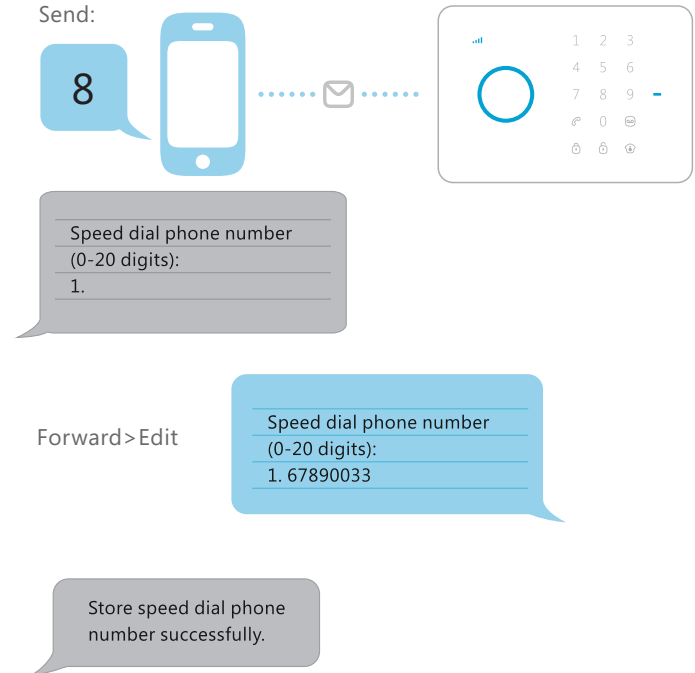
The "7" command stores the telephone number to send an SMS every time the system is disarmed with RFID tags.

Usually this number belongs to the administrator of the system or to the person to which the family reports or the office manager.



SMS Command "8": Store Speed Dial Phone No.

The "8" command stores the telephone number to speed dial call from the control panel (Speed Dial– Page 8).



Note: This number can be changed as required. For example the number of a close neighbour or friend can be stored for a short period with the original number being reinstated when available again.

SMS Command "91~99": Change Zone Name

The "9" command changes the names of the first 9 zones recognised by the first 9 detectors installed in sequential order (e.g. detector 1 = zone 1, detector 2 = zone 2, etc.)

Each line of the message can contain a maximum of 30 characters (limit imposed by the SMS messages).

The names of the subsequent 41 zones are fixed and follow the nomenclature Zone 10 alarm, Zone 11 alarm, etc.

Send: 91



Zone1 name: Zone 1 alarm

Forward>Edit

Zone1 name: Entrance Door Sensor

Change zone name successfully.

Send: 92



Zone2 name: Zone 2 alarm

Forward>Edit

Zone2 name: Living room PIR

Change zone name successfully.

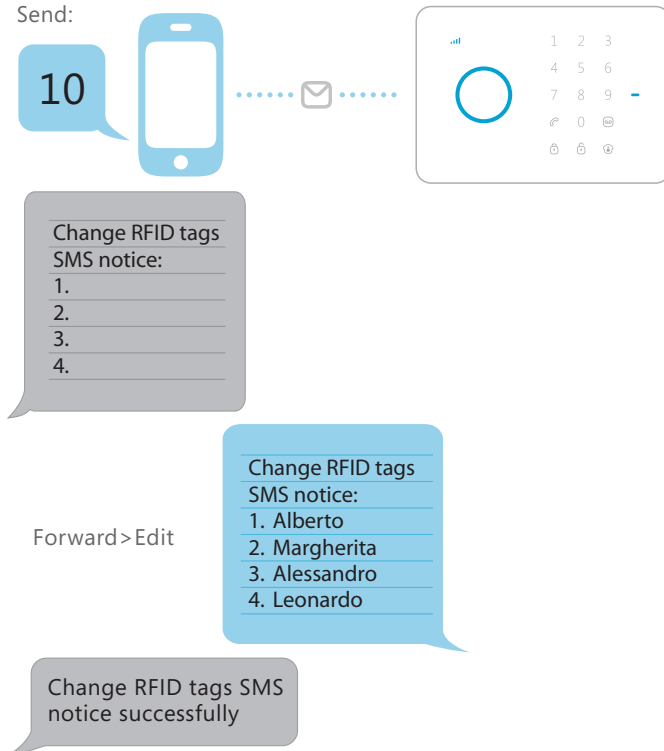
Repeat command 93, 94, 95, etc. for the zones to be followed.

As programmed, the control panel immediately identifies the alerted or tampered sensor.

If the alarm system has a large number of sensors/zones, it is recommended to write down the zone number corresponding to the detector to be able to be recognised immediately in the case of alarms.

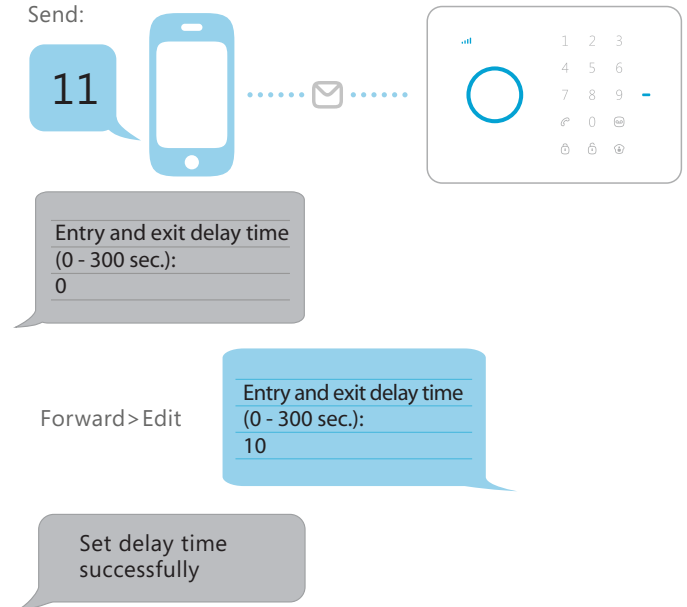
SMS Command "10": RFID Tags SMS Notice

The "10" command enables the names of the users to be assigned to the first 4 RFID tags, so that the system administrator is informed by SMS of whoever has disarmed the system .



SMS Command "11": Entry and Exit Delay Time

The "11" command enables the delay time to be set in seconds in all the zones for arming and disarming the alarm. This enables the user to be able to enter and exit the protected rooms with enough time delay before triggering the alarm.



N.B.: This command sets a delay for all the detectors installed regardless of the type of mode programmed. However the SMS Command "14" refers exclusively to the detectors set as Delay Mode Zone.

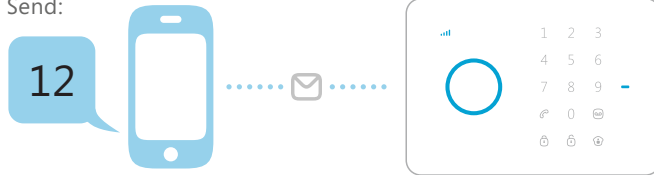
SMS Command "12": Siren Volume/Ringing Time

The "12" command enables the volume of the internal siren to be adjusted as well as the time of the reproduction cycle.

The volume can be set to "mute", "low" or "high".

The ringing time can be set from 1 to 9 minutes.

Send:



Sirene volume (0 Mute,
1 Low, 2 High):
2
Sirene ringing time (1-9 min):
5

Forward>Edit

Sirene volume (0 Mute,
1 Low, 2 High):
1
Sirene ringing time (1-9 min):
3

Set sirene volume and
ringing time successfully

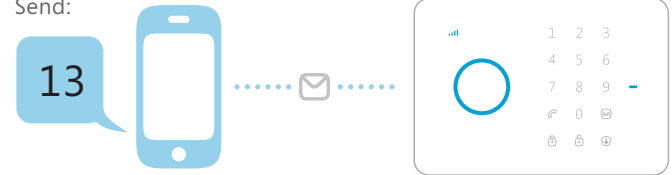
SMS Command "13": Disarm Password

The "13" command enables the password to be modified as needed to disarm the alarm system from the keyboard of the control panel.

The password must have a minimum of 4 and a maximum of 6 digits.

The default password is "1234".

Send:



Disarm password (4-6 digits):
1234

Forward>Edit

Disarm password (4-6 digits):
888888

Set disarm password
successfully

Note: It is recommended that the password be changed regularly avoiding storing combinations of numbers that are readily available, for example your own telephone number or the date of birth of a family member.

SMS Command "14": Single Zone Delay Time

The "14" command enables the delay time to be set in seconds for arming and disarming the alarm only on the detectors suitably programmed in the Delay Mode Zone.

This enables the user to be able to enter and exit the protected rooms with an adequate time delay before triggering the alarm.

Send:



Single zone delay time
(0 - 300 sec.):
30

Forward> Edit

Single zone delay time
(0 - 300 sec.):
15

Set single zone delay time
successfully

N.B.: This command sets a delay exclusively on the detectors programmed in the Delay Mode Zone. However the "11" command refers to all the detectors installed.

SMS Command "21": Delete Sensors

The "21" command enables all the wireless accessories connected to the control panel to be deleted.

No confirmation will be requested on sending the "21" command: all the wireless accessories will no longer be recognised by the system.

It will be necessary to arrange for reprogramming.

Alternatively, to delete the sensors from the control panel, press the Tamper key located on the back of the panel 3 times within 3 seconds.

SMS Command "22": Delete RFID Tags

The "22" command enables all the RFID devices associated with the control panel to be deleted.

No confirmation will be requested on sending the "22" command: all the RFID devices will no longer be recognised by the system.

It will be necessary to arrange for reprogramming.

SMS Command "0000": Total Reset

The "0000" command enables the original factory settings to be reinstated. It is equivalent to a total reset command. It should be used with great care.

No confirmation will be requested on sending the "0000" command: all the wireless accessories, the RFID devices, the telephone numbers, the SMS numbers, the names of the RFID devices, the delay times, the password, etc. are deleted.

It will be necessary to arrange for reprogramming.

Alternatively, to reinstate the factory settings, press the Tamper key located on the back of the panel 5 times within the space of 3 seconds.

N.B.: The commands "21", "22", "0000" will be carried out only if received from previously stored numbers.

Arm and Disarm with Phone Call

Arm

Call the number of the control panel and hang up when you hear it ringing. You will be called back. Answer and hang up.

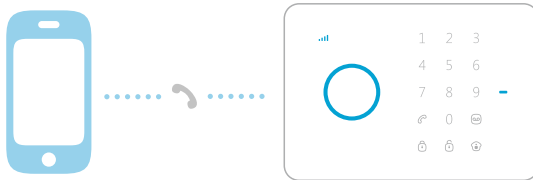
The system is now armed.



Disarm

Call the number of the control panel and wait until the panel hangs up. The panel will not call back.

The system is now disarmed.




Wireless Pairing Procedure

WIRELESS ACCESSORIES: the alarm system kit includes 1 magnetic door/window sensor and 1 PIR movement sensor already connected to the control panel and configured as follows:

- magnetic door/window sensor: Zone 1 – Delay Mode
- PIR motion sensor: Zone 2 – Normal Mode

Before pairing further sensors to the control panel it is recommended that their positioning is planned so that every sensor corresponds to a zone that can then be named according to where it is positioned (only the first 9 accessories).

Pairing Procedure:

- Enter on the panel the password of 4~6 digits and touch 
- The LED will light up.
- Arm the accessory within 15 seconds.



The connection will be made after the confirming beep.

Two beeps indicate that the accessory had already been connected.

The wireless accessories added to the kit subsequently will follow the sequential zone numbering: the first additional accessory is connected to zone 3, the second to zone 4, etc.

RFID TAGS: the alarm system kit includes 2 RFID Tags already connected to the control panel.

Pairing Procedure:

- Enter on the panel the password of 4~6 digits and touch 
- The LED will light up.
- Position the RFID device near the reader  within 15 seconds.

The connection will be made after the confirming beep.

Two beeps indicate that the RFID device had already been connected.


It is recommended that the sequence is noted with which the first 4 devices are added in order to be able to rename them (SMS command "10").

Pairing of Wireless Siren

In addition to the internal siren of the control panel it is possible to add an auxiliary external wireless siren (not included in the kit).

Unlike the pairing procedures for the wireless accessories to the control panel, the external siren follows another one.

Pairing Procedures:

- Press the LEARN key on the wireless siren
 - The LED will light up
 - Touch the Arm key  on the control panel.
- The connection will be made after the confirming beep.

In the event of intrusion with the system armed, both the sirens will go on, SMS's will be sent and telephone calls will be dialed as programmed.

For further functions or settings of the external siren, refer to the specific manual.

Technical Specification

Product Name:

GSM/SMS/RFID Touch Alarm System Kit

Model:

HD-G005

Control Panel Power Supply:

Input: AC 110-240V/50-60Hz

Output: DC 12V/500mA

GSM Working Frequencies:

850 / 900 / 1800 / 1900 MHz

Stand By Current:

110 mA

Alarm Current:

340 mA

Internal Battery Back Up:

Lithium Battery: 3.7V/700mAh x 2 pcs.

Internal Siren:

90dB

Maximum Number of Accessories:

10 x remote controls + 50 sensors + 50 RFID tag

Radio Frequency:

315MHz / 433MHz (± 75KHz)

Housing Material:

ABS Plastic

Operative Conditions:

Temperature: -10°C ~ 55°C

Umidity: ≤ 80% (non condensing)

Dimensions (L x W x H):


Panel: 188 x 132 x 26mm

Remote Control HD-RC80




Arm




Press the Arm Key  on the Remote Control to Arm the System. The Control Panel will beep and a LED will light up. In the event of intrusion the siren will start, SMS's will be sent and telephone calls will be dialled as programmed. While the key is pressed on the remote control, the LED indicator will light up to confirm the transmission of the command.

Disarm

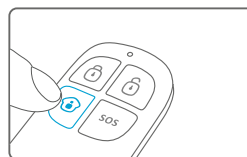


Press the Disarm Key  on the Remote Control to Disarm the System. The Control Panel will beep twice and the LED light will turn off.

After an intrusion had been detected, press the key  to disarm the system and switch off the siren.

While the key is pressed on the remote control, the LED indicator will light up to confirm the transmission of the command.

Home Mode

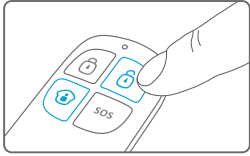


Press the Home Mode key  on the Remote Control to Arm the System in Home Mode.


All the zones will be armed except for the PIR movement sensors that are programmed in Home Mode. This will enable you to move freely within the rooms.

While the key is pressed on the remote control, the LED indicator will light up to confirm the transmission of the command.

Arm / Disarm in Silence



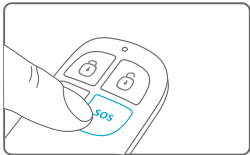
In order not to disturb anyone the alarm system can be armed and disarmed in silence without hearing the beep of the siren.

To Arm in silence press simultaneously the keys  + 

To Disarm in silence press simultaneously the keys  + 

Emergency

SOS



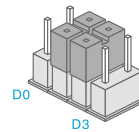
No matter what state the Control Panel is in, when the **SOS** key on the remote control is pressed the system activate the emergency procedure: sound the siren, send SMS and call the programmed numbers.

Setting Zone Mode

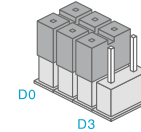
Every sensor can be set in such a way that it can respond to the type of anti-intrusion required mode.

To do this it is necessary to set the jumpers located close to the battery on each sensor.

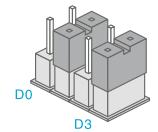
The jumper setting will reflect the operation mode chosen on the control panel.



Home Mode Zone



Normal Mode Zone

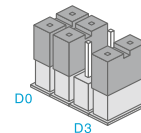


Delay Mode Zone

It is possible to set three different zone modes in the system:

1. Home Zone Mode: set on the PIR motion sensors within the rooms of the premises.
2. Normal Zone Mode: set on all the other sensors.
3. Delay Time Zone Mode: set on the door/window sensor on the main entrance.

N.B.: after each jumper setting modification it is necessary to reconnect the modified sensor to the control panel.



24H Mode Zone

Note: for detectors such as smoke, gas, water sensor it is recommended to position the jumper setting in 24 Hour Zone Mode.

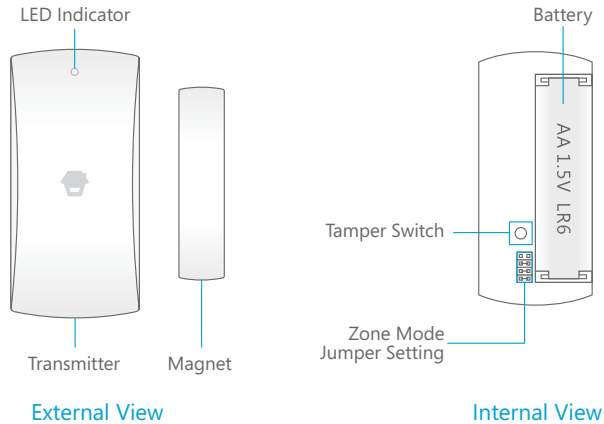
The system will then be armed at all time only for those specific sensors that, if set off, will trigger the alarm, sound the siren, send SMS and call the programmed numbers.

Door / Window Sensor HD-W100

The door / window magnetic contact can be mounted on doors, windows and anything else that opens and closes. It consists of a central unit, transmitter with magnetic switch, and a magnet.

When the magnet is separated from the central unit, the latter will transmit the change of status to the control panel.

It is also provided with tamper switch that will protect the central unit from sabotage attempts by triggering the alarm, sound the siren, send SMS and call the programmed numbers.

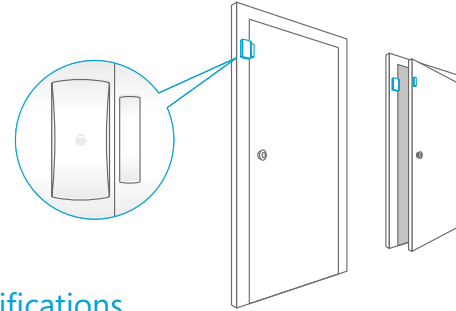


Note: every time a door or window is opened the LED indicator will flash once as a sign that the sensor is transmitting its status to the control panel.

N.B.: if the LED indicator stays on the battery is discharged. Replace the battery immediately.

Installation

- Remove the battery protection strip.
- Position the transmitter on the door frame and the magnet on the door.
- Make sure that the magnet is always to the right of the transmitter.
- Make sure that the magnet is no more than 1cm from the transmitter.
- Fix the transmitter and the magnet with double-sided tape or with screws as appropriate.
- Avoid positioning the sensor in areas with large metallic structures or electrical equipment such as the boiler or meter areas



Specifications

Product Name:
Door/Window Magnetic Contact
Model:
HD-W100
Power Supply:
DC 1.5V (Battery AA 1.5V LR6)
Stand-By Current:
≤ 30 μA
Alarm Current:
≤ 40 mA

Transmitting Distance:
≤ 80 m (open area)
Transmitting Frequency:
315 MHz / 433 MHz (± 75 KHz)
Housing Material:
ABS Plastic
Operative Conditions :
Temperature: -10°C ~ 55°C
Umidity: ≤ 80% (non-condensing)
Dimensions (L x W x D):
Transmitter: 71 x 34 x 17.5mm
Magnet: 51 x 12 x 13.5mm

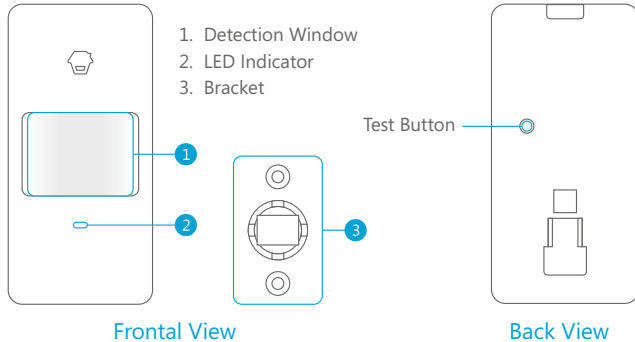
PIR Motion Sensor HD-P900

HD-P900 motion sensor is a sophisticated passive infra-red ray instrument (P.I.R.).

It consist of digital dual-cor digital fuzzy logic infrared control chip and intelligent analisys which effectively identify interference signal from body movements from body movements signals and reduce false alarm rate.

With automatic temperature compensation and anti-air turbulence technology, it easily adapt to environmental changes.

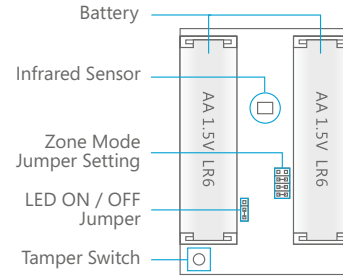
While system is not armed the detector enter in energy-save mode to prolong the battery life.



Note: if the LED indicator flashes repeatedly the sensor is carrying out an automatic test. When it flashes twice the test is complete and the sensor is ready to detect.

Once movement in front of the sensor has been detected the sensor transmits its status to the control panel and flashes once.

N.B.: the LED indicator stays ON, the battery is discharged. Replace the battery immediately.



Internal View

Primo Utilizzo:

Open the case and remove the battery protection strip to activate the sensor.

The automatic test procedure will start and run for about 1 minute.

Infrared Sensor: recognises the infra-red radiation emitted by the human body and activates the transmitter that will set off the alarm: sound the siren, send SMS and dial phone calls as programmed. It must not be touched or exposed to dirt.

Tamper Switch: an unwanted opening, such as an attempt to sabotage the sensor, will set off the alarm: sound the siren, send SMS and dial phone calls as programmed.

Test Mode: Once the automatic test procedure is complete, press the Test button located on the back and the sensor will activate the test procedure to detect the presence of an intrusion every 10 seconds. Walk in front of the sensor looking to see if the LED indicator lights up.

Every time the LED lights up it indicates the detection of a human body.

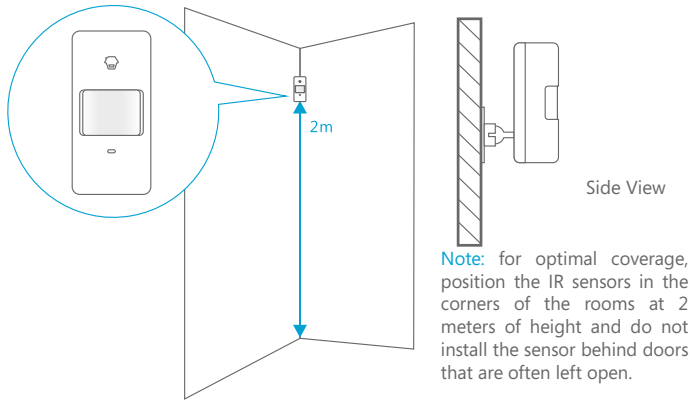
Adjust the position of the sensor so as to obtain the maximum coverage of the room where installed.

After 3 minutes the LED will flash twice and will go back into armed mode.

Installation

Thanks to the wide angle of volumetric coverage and the orientation system, the motion sensor can easily be installed:

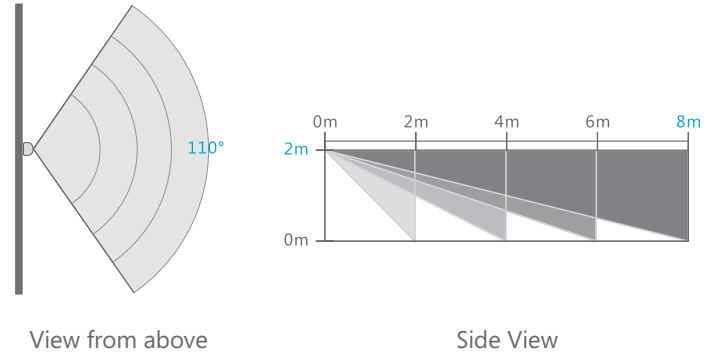
- within closed environments;
- within trespassing points;
- at right angles to any movement.



N.B.:

- Avoid direct exposure to sunlight;
- Position the sensor at a distance from heaters or sources of cold air (air conditioners, stoves, fireplaces, etc.);
- Do not install the sensor in rooms where there is a strong presence of steam that could cause condensation;

Operative Range



Technical Specification

Product Name:

PIR Motion Sensor

Model:

HD-P900

Power Supply:

DC 1.5V (Battery AA 1.5V LR6 x 2 pcs.)

Stand-By Current:

≤ 50 μA

Alarm Current:

≤ 9.5 mA

Operative Range:

8m / 110°

Transmission Distance:

≤ 80 m (open area)

Transmission Frequency:

315 MHz / 433 MHz (± 75 KHz)

Housing Material:

ABS Plastic

Operative Conditions:

Temperature: -10°C ~ 55°C

Umidity: ≤ 80% (non condensing)

Dimensioni (L x W x D):

Sensor: 108 x 52 x 36.8mm

Bracket: 52 x 30 x 26.5mm

GARANZIA

If within one year from the date of purchase this product should become faulty because of defects in manufacture or construction (except for the batteries), the product will be repaired or replaced free of charge.

Proof of purchase such as invoice or fiscal receipt will be required to issue the authorisation to return the product to the authorised centre. Please visit our web site <http://www.homedefender.it> and read the FAQ section for further information on the return procedure.

TECHNICAL SUPPORT

For help with the installation, solving your problems and suggestions on how to make your home or office more secure do not hesitate to contact our free support service.



DECLARATION OF COMPLIANCE

HomeDefender® products are built to professional standards in terms of safety in line with what is required by Italian laws 186/68 and 791/77 and do not compromise the safety of persons, of domestic animals and of property if installed and used in line with their purpose and mounted in the correct way.

Moreover the products are within the field of application of the EU Directives ("EMC" Directive 89/336/CEE - ratified by Decree-Law 476/92 - modified by Directive 93/68/CEE and "BT" Directive 73/23/CEE - ratified by Law 791/77 - modified by Directive 93/68/CEE - "R&TTE" Directive 99/5/CE ratified by Legislative Decree no. 269) and comply with the essential requirements contained therein.

The EU marking on the product and/or on the packaging and/or on any use notices that accompany the product itself "indicate presumption of compliance with the Directives" referred to above.

HomeDefender keeps its own Technical Archive containing the documentation that shows that the product has been examined to establish its compliance.

Personal Memo

ZONA 1 name: _____

ZONA 2 name: _____

ZONA 3 name: _____

ZONA 4 name: _____

ZONA 5 name: _____

ZONA 6 name: _____

ZONA 7 name: _____

ZONA 8 name: _____

ZONA 9 name: _____

Tel. number 1: _____

Tel. number 2: _____

Tel. number 3: _____

Tel. number 4: _____

Tel. number 5: _____

SMS number 1: _____

SMS number 2: _____

SMS number 3: _____

SMS number 4: _____

SMS number 5: _____

RFID name 1: _____

RFID name 2: _____

RFID name 3: _____

RFID name 4: _____

Notes: _____
