Quick Start Guide



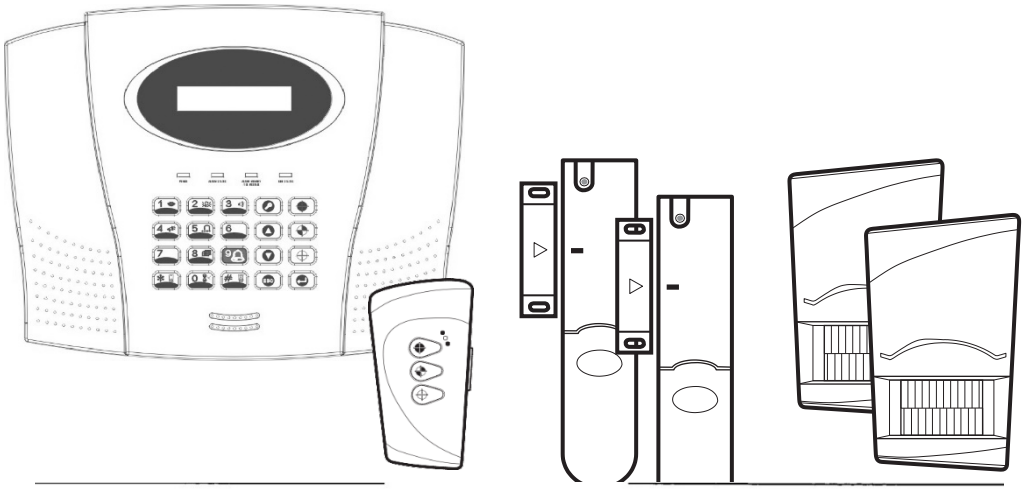
PRO ALARM SYSTEM

AP550011

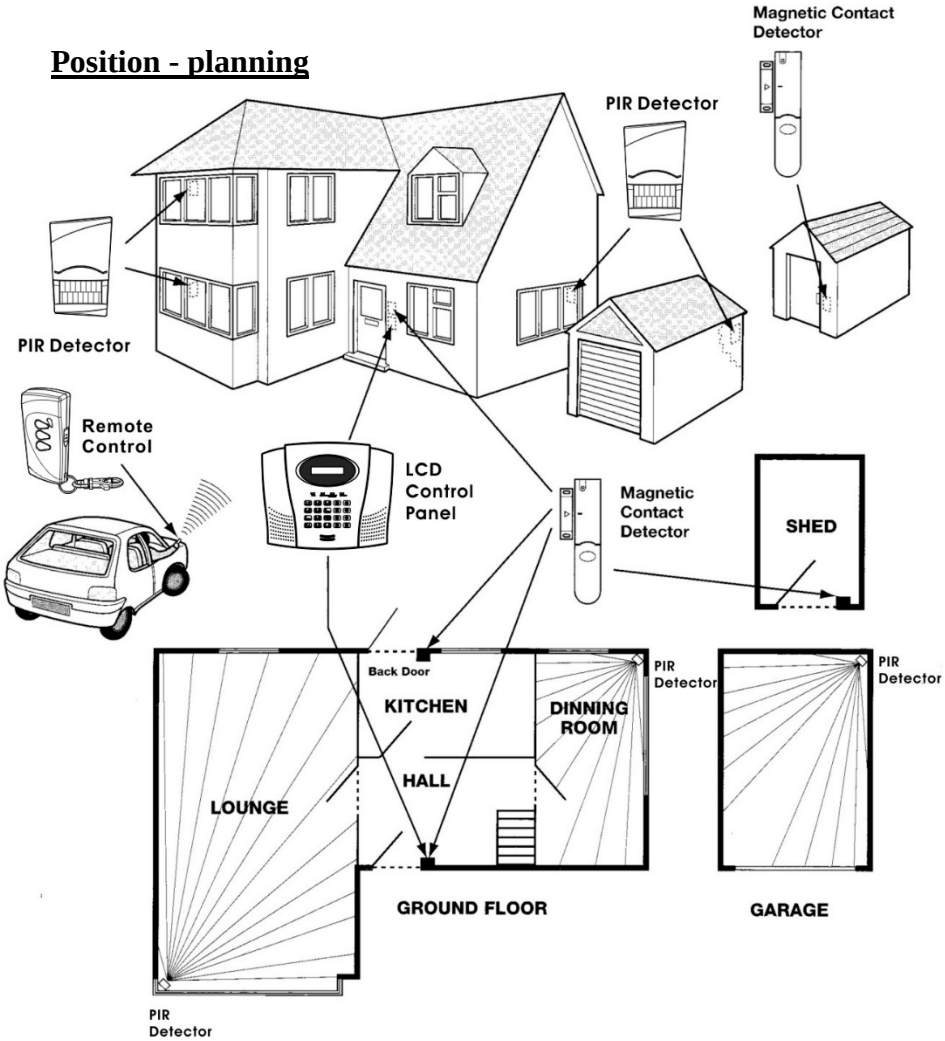
Home is not a place, it’s a feeling

EN

ELRO 10 Zone Pro Alarm System with Voice and Digital Dialer
AP5500



Position - planning



Congratulations with your new ELRO PRO Alarm System AP5500, a secure and independently working Alarm System!

This Short manual will help you through installation and Set-Up of your System effectively. If you have further questions, ideas or recommendations, visit www.elro.eu for a detailed manual, an FAQ section and the possibility to leave us with your honest feedback on our products.

MULTIPLE USERS

The system allows up to 6 Users and one Master User. Each user will have a different Password.

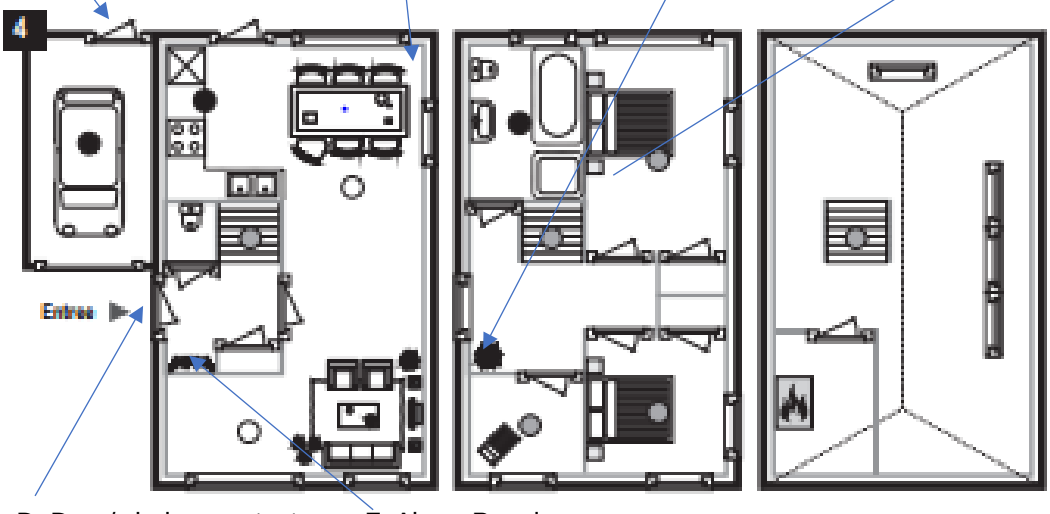
Agree about the different Passwords:

Master:_____User1:_____User2:_____User3:_____User4:_____User5:_____User6:_____

How to start?:

Overview your home as a burglar! Which entrances do you think he will take? What is your main entrance? Do you want to switch your alarm on and off with a remote, use the Alarm Panel, or use an external Keypad (not included). What do you need to prevent and how? Do you want to switch on the alarm only when you are away from home, or also when you are a sleep?

A: Door/window contact B: PIR motion sensor C: PIR motion sensor E: Remote Control



D: Door/window contact F: Alarm Panel

Divide the house in Alarm parts according figure:

It is possible to put the Alarm system in Partial armed (2 different parts) and full armed.
For example when we are at home we only Arm the Garage PARM1, but not the rest. If we are a sleep, we only arm the Garage and down floors PARM2, but not the rest. If we are away from home Full armed.
We also can give a sensor being defined as an sensor with Exit/Entry Delay. For example; If we leave home, and we want to switch on the alarm on the panel, we give the door/window magnet E: the Exit/Entry delay status. All other sensors can have the immediate status. Your system can be divided in groups or zones. When there is an alarm you can see which Zone gave alarm. The zone number also will be selected on the sensor. All sensor in the same zone will have the same PARM and Exit/Entry delay statuses.
You can divide up to 6 zones. If you have not more than 6 zones you can give each sensor its own zone number.

Draw a map of your home, mark the places to be secured, and make an overview on the last page like:

A: Door/window contact	: Zone number: 01	PARM1:On	PARM2: On	Exit/Entry Delay: Off
B: PIR Motion Sensor	: Zone number: 02	PARM1:Off	PARM2: On	Exit/Entry Delay: Off
C: PIR Motion Sensor	: Zone number: 03	PARM1:Off	PARM2: Off	Exit/Entry Delay: Off
D: Door/window contact	: Zone number: 04	PARM1:Off	PARM2: On	Exit/Entry Delay: On

E: Remote Control : advise to take this with you when you go to bed. Easy to control the alarm, and in reach in case of panic!
F: Alarm Panel : can be installed hidden, for example behind the hood in the hall.

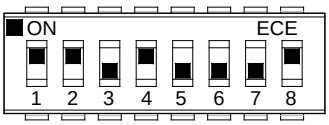
Telephone numbers: Consider which numbers must be called in case of alarm: fill in the numbers on the overview on the last page.

Preparing and installing our new ELRO 10 Zone alarm system.

We advise to do the pre work, easily on the table, and install later. First unpack all accessories and sort the batteries together with the accessories. Unscrew and open all products.

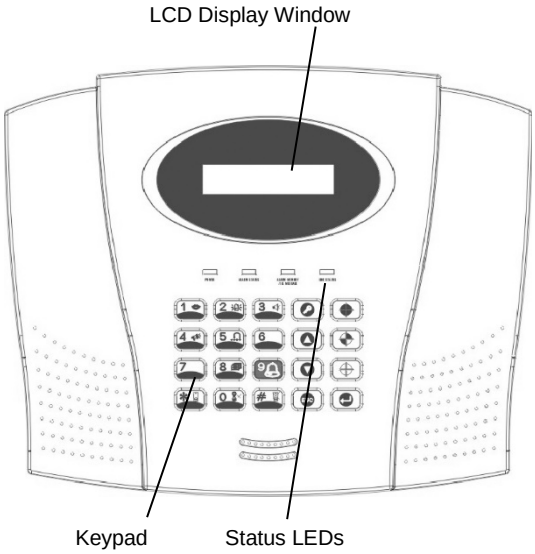
House Code:

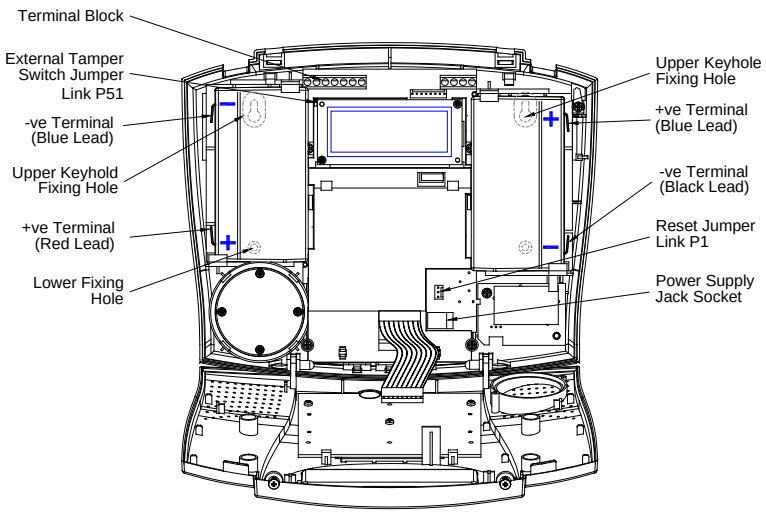
All products must be programmed with the same house code. In all accessories (not in the Alarm panel) you will find a code dipswitch block like in figure:



Create your own personal code, by putting some switches to on, or off. Be sure that you use the same code in all accessories.

The Alarm Panel:





Connect battery leads to both back-up batteries: Battery 1 (left): Red lead to +, Blue lead to –, Battery 2 (right): Blue lead to +, Black lead to –ve battery terminal.

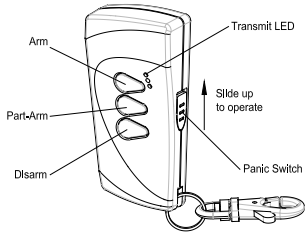
If the telephone based functionality is to be used then the Control Panel will need connecting to a convenient telephone point. Route the cable from the Power Supply Unit up behind, connect the plug to the DC power socket in the panel. Take care that during installation and testing on the table, the sabotage switch and the back stays free. Now set the Alarm panel in programming mode, by pressing:

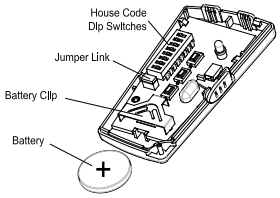


'1 USER SETUP' is displayed.

Remote Control:

The Remote Control is used to Arm, Part-Arm 1-2 and Disarm the system, or give a panic alarm.





Insert the 3V (CR2032) battery. Check if you entered the wished house code into the remote, same as in the magnet and the PIR. We start learning the code to the Alarm Panel

Use the and buttons to scroll through the menu until **'2. SYSTEM SETUP'** is displayed. Press and **'2-1 Learn House Code'** will be displayed. Press again to set the Control Panel to receive the House code, press the on the remote control: house code will be displayed in figures.

Testing the Alarm Panel by the Remote Control:

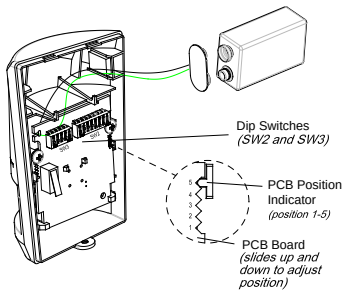
Press: 

to put the system in the TEST mode.

'TEST MODE – WALK TEST' is displayed.
Press ↵ to activate Walk Test. **' Walk Test Waiting…'** is displayed. Press the 'ARM' button on the Remote Control; Alarm Panel will beep and the type of the device and button will be on the display. Press the other buttons on the Remote, as each button is pressed the Alarm Panel will beep and show the button being pressed on the display. KEEP THE ALARM PANEL IN THE TEST MODE!

PIR Motion Sensor:

PIR Sensors are designed to detect movement.



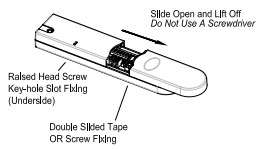
	DIP 1	DIP 2	DIP 3
Zone 1	OFF	OFF	OFF
Zone 2	OFF	OFF	ON
Zone 3	OFF	ON	OFF
Zone 4	OFF	ON	ON
Zone 5	ON	OFF	OFF
Zone 6	ON	OFF	ON

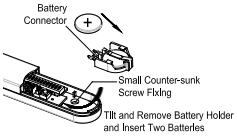
Insert the 9 Volt battery. The PIR will warm-up during 2-3 minutes. The LED will flash. When it is ready the LED stops. First check the house code: SW2; switch 1 – 8 (must be same as Remote Control). You can divide your detectors over your total home in zones. You can set the alarm zone the PIR detector will operate on, by switch the dip switches 1, 2 and 3 (of SW3; dipswitch 1-5) in the position according schedule above. Mark which zone number on the PIR. For walk test mode you put dip 4 of SW3 On. Don't forget to put back in Off. Test the PIR in the walk test mode. In normal mode the PIR will only send a mew signal after being triggered after 2 minutes

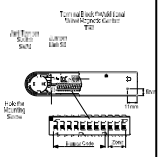
The PIR sensor incorporates an anti-false alarm for where the Sensor might be affected by e.g. insects, air temperature etc. We recommend high sensitivity, but in case of affection of (e.c. insects) , you can adjust dip 5 of SW3 to Off: low sensitivity detection!

Door/window magnet:

The Magnetic Contact consists of two parts; a Detector and a Magnet. They are designed to be fitted to doors or windows with the Magnet mounted on the moving/opening part.

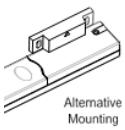


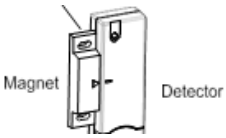




Open the sensor, take out the battery connector, and place the battery! Check the house code; same as PIR and Remote Dip 1-8 from 1-12. Select the Zone you want: setting Dip 9-11 according the overview at the PIR. Mark the Zone number on the magnet.

Mounting the door/wind magnet:



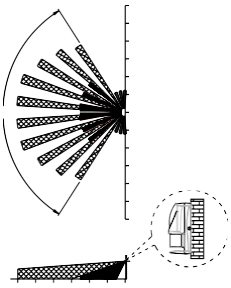


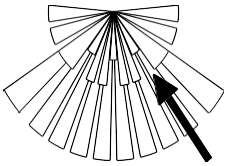
Decide which doors/windows are to be protected by fitting Magnetic Contact Detectors, (usually the front and back doors. Additional detectors may also be fitted where required to other vulnerable doors or windows, (e.g. garage, patio/conservatory doors etc).Ensure that the position selected for the Magnetic Contact detector is within effective range of the Control Panel, (refer to 'Testing the Control Panel & Remote Control'). Remove the battery holder, and mount the detector using either the adhesive tape or screws. Fit the Magnet to the moving part of the door/window opposite the Detector. Ensure that the parallel gap between the Magnet and Detector is less than 10mm and that the arrow on the Magnet is pointing towards and aligned with the mark on the Detector.

Mounting the PIR motion sensor:

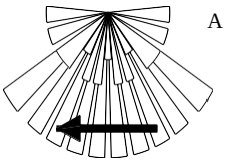
Household pets should not be allowed into an area protected by a PIR detector! Do not locate the detector facing a window facing direct sunlight. PIR Detectors are not suitable for use in conservatories. Do not locate the detector where it is exposed to ventilators. Do not locate the detector

directly above a heat source, (e.g. fire, radiator, boiler, etc). Where possible, mount the detector in the corner of the room so that the logical path of an intruder would cut across the fan detection pattern. PIR detectors respond more effectively to movement across the device than to movement directly towards it. Where possible, mount the detector in the corner of the room so that the logical path of an intruder would cut across the fan detection pattern.

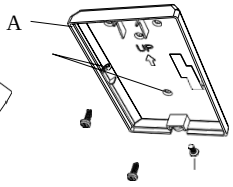




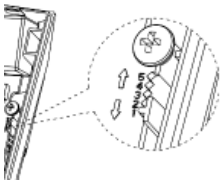
Less Sensitive



More Sensitive



A



1=6, 2=9,3=12m

Carefully drill out the required mounting holes in the rear cover; A. Using the rear cover as a template, mark the positions of the fixing holes on the wall. Fix the rear cover to the wall. Detection area is adjustable up to 12 meter; you can move the PCB up or down. Check again if Dip 4 of SW3(dipswitch 1-5) in Off. In test mode the PIR will send after every trigger a signal. In the regular mode the PIR will pause 2 minutes, and then send again a signal after being triggered, to save batteries.

Programming the Alarm Panel:

We advise to do the programming before mounting the Alarm Panel. First we change from the Walk Test mode to the Program/Install mode. Press ESC until you see in the display: 'DISARM READY" and the time! Now we go into the Program/Install mode; mentioned further Inst. mode:

Press , 1 2 3 4 (1 2 3 4 standard Master Password), display show 1.USER SETUP.

First we will **change the Master Password!** Press : 1-1 USER 1 SETUP. Press display: 1-7 MASTER SETUP, Press , display: :1 Password 1234 , Press , display: Enter Password Code: NOW PRESS YOUR NEW CODE! and , display: :1 Password ???? .

Check if ???? is the password you entered. If ok, press 2x ESC ,display: 1. USER SETUP, Press display: 1-1 USER 1 SETUP, Press , display: :1 Password. Press , display: Enter Password Code: NOW PRESS THE CODE FOR USER 1 and , display : will show the Password you entered, CHECK! After the password

Next step is that we define some standard settings, per sensor ; press ESC until you see in the display:

1. USER SETUP. Press ,until in display: 3. ZONE SETTING. No we can choose:

Zone Setup (Z1-10) ; fill in the Zone Number you defined in the sensors!

Name	No Name	You can select a room name, or leave 'no name'
Type	Intruder	Normal sensor will be 'intruder'.
Final Exit	OFF	'OFF'
Chime	OFF	'OFF'
Entry Delay Zone 1 Zone 2-10	ON, 30s OFF	Depends if you have to pass the when you leave, or come back!
Part-Arm 1	OFF	Do you want switch this sensor on in PARM1
Part-Arm 2	OFF	Do you want switch this sensor on in PARM2
Walk Through	OFF	'OFF'

Select all the zones you defined in the sensors!

Next step is that we define some standard system settings: ; press ESC until you see in the display:

3. ZONE SETTING. Press ▼, display 2. SYSTEM SETTING. Choose:

System Setup

House Code	01010101	This is the house code you programmed on page 2
Alarm Time	ON, 180s	Loud alarm is ON. No sound from Alarm Panel ; Off
Wirefree Siren	ON	'ON'
RF Jamming Detection	OFF	'OFF'
Back Light	10s	Backlight of display switches of ….. seconds
Alarm Relay	On Until Disarm	'ON'
Zone Lockout	ON	'ON'
Remote Phone Control	ON	'ON'
Rings to Answer Phone	6	'6'
Call Abort	OFF	'OFF'
Dial method	Tone/DTMF	'TONE/DTMF'
Dialer Mode	Voice Dialer	'VOICE DIALER'
Time	12:00:00	Put in actual time
Date	01/01/03	Put in actual date

VOICE DIALER SETUP:

Press ESC, and press ▲, until **'4. VOICE DIALER SETUP'** is displayed and press ↵.

Scroll through the menu until **'4-1 PHONE NUMBERS'** is displayed and press ↵.

Scroll through the menu until the required Telephone number (1-4) is displayed. The current setting of each telephone number will also be displayed. To change the number press ↵.

Enter the new telephone number (32 digits max.), press ↵ to save and exit, or press ESC to exit without saving. Press 🔑 to insert a 3.6s pause in the dialing sequence. Press ✛ to move the cursor left. Press ✛ to move the cursor right. Press ✛ to delete the character under the cursor. Press and hold ✛ to erase the entire phone number.

Scroll through the menu until **'4-3 RECORD VOICE'** is displayed and press ↵.

Scroll through the available menu options until the required message type to be recorded is displayed. 1) Main Alarm message, (12 seconds max). 2) Intruder Alarm message, (4 seconds max).

Latch Key setting; If you want to receive a call, when one of the users switches the alarm panel on or off. Scroll through the top level programming menu until **'6. LATCH KEY SETUP'** is displayed and press ↵. Selected users setup: This allows controls over which users the Latch Key facility operates with when set to 'Selected-Users'. Default setting: OFF . Scroll through the menu until **'6-2 SELECTED USER SETUP'** is displayed and press ↵. Scroll through the menu until the required user number (1-6) to be configured is displayed. The current status will also be displayed.

TELEPHONE NUMBERS : Scroll through the menu until **'6-3 PHONE NUMBERS'** is displayed and press ↵.Scroll through the menu until the required telephone number (1-2) is displayed. The current setting will also be displayed. To change the number press ↵. Enter the new telephone number (32 digits max).

HAVE A LOT OF PLEASURE and visit our website: elro.eu

We wish you a lot of pleasure, safety and comfort with your ELRO 10-ZONE PRO ALARM SYSTEM AP5500. We pay close attention to the quality of our products. In addition, we find installation and user convenience very important. We are aware that there will always be points to improve points. Which these are; nobody can tell us no better then you. We would like to hear from you what your experience was during the preparation, installation and the use of this " ELRO 10-ZONE PRO ALARM SYSTEM ". Go to www.elro.eu and give us your opinion about this ELRO 10-ZONE PRO ALARM SYSTEM. Wishes and tips are very welcome. You will also find an overview of accessories, and other safety and comfort products that will make your life a pleasurable and safer way of living.