

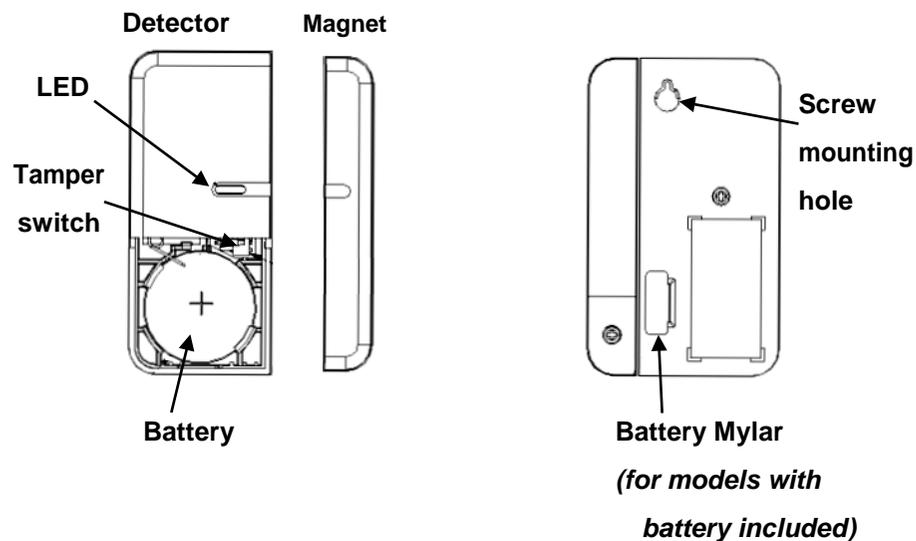
# AS80MA11 Magnetic Detector

## Installation Instructions

### General Introduction

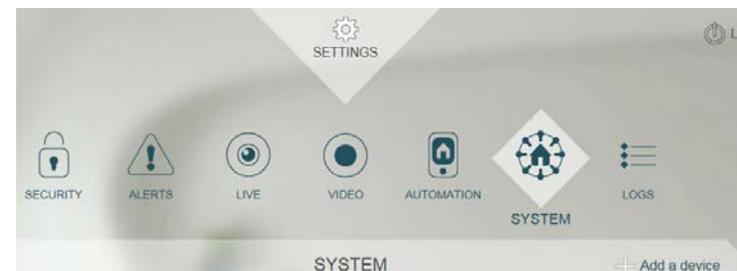
The Magnetic Detector is used in security or home automation applications to detect opening or closing of doors/windows. It consists of two parts; a Detector and a Magnet. Opening the protected door/window will remove the magnetic field, sending an alarm signal to the gateway.

### Product Overview



### Binding with Homesys

1. *Models with battery included:* The battery is isolated by a mylar film to deactivate the detector during shipment. Do not remove the mylar film yet.  
*Models without battery included:* Do not insert the battery yet.
2. Log into the eELRO Smart Home Alarm account from a web browser.
3. Select "System", then "Add a Device".



4. Select "Magnetic Detector".

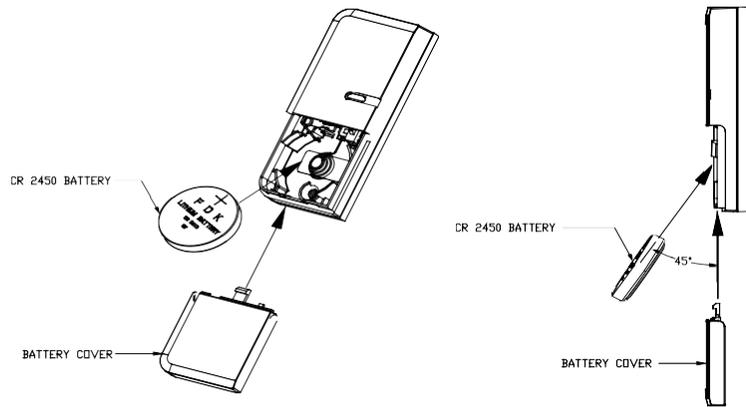


5. The following screen will appear. This means the gateway is entering binding mode.



6. *Models with battery included:* Pull out the mylar film, the LED should turn ON.

Models without battery included: Open the battery cover and insert the battery.



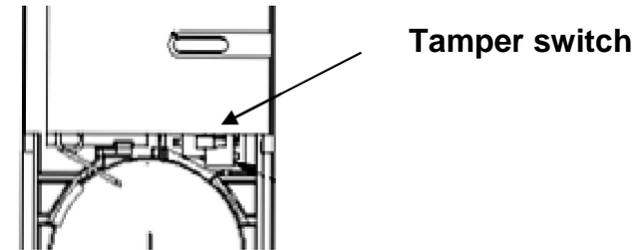
7. The screen below will appear within 10 seconds if the process is successful.



8. Time-out will occur if the binding process was unsuccessful. Please refer to the Troubleshooting section.

## Manual Binding

1. Remove the battery cover of the detector leaving the battery inside the detector.
2. Repeat steps 4 to 5 of the Binding with ELRO Smart Home Alarm section.
3. Locate the Tamper switch as shown below.



4. Press and hold the Tamper switch for about 4 seconds and release. The LED will start to blink repeatedly. This implies detector has now entered the binding mode and is waiting to receive binding signals from the gateway.
5. Within 5 seconds, the LED indicator will then stop flashing and turn off, indicating the learning procedure is completed. The screen below will appear indicating the process is successful.



## Testing

- (1) Go to System, and select ARM



- (2) Wait for 30 secs, then separate the detector from the magnet (at least 3.5cm distance apart).
- (3) If the test is successful the system will trigger an alarm (alarms are listed in "Events").

**Notes:** It is necessary that the system is powered and connected to internet.

- (4) If the test is unsuccessful, please check the troubleshooting section.

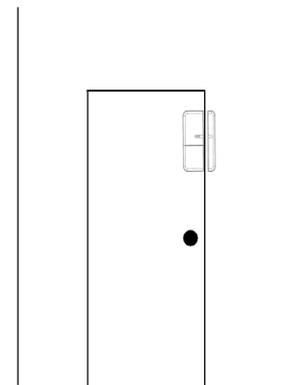
## Mounting

1. Mount the Magnetic Detector in dry interior locations only.
2. Do not place the unit near combustible substances or any source of heat, e.g. fires, radiators, boilers etc.

**Note:** Mounting the detector to a metal frame or within 1 meter of metalwork (e.g. radiators, water pipes) may affect radio range of the device. Please use plastic or wooden spacers to separate the detector and metal surface when required.

## Installation

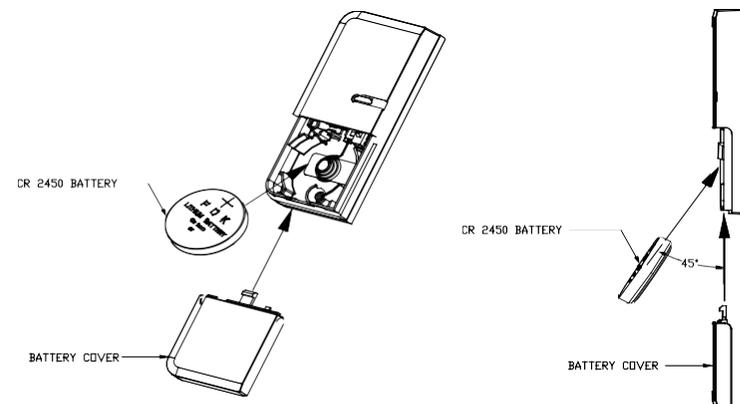
1. Fit the magnet on the moving part of the door / window opposite the detector (or vice versa, if necessary). Use the provided self-adhesive tape to secure them in place.



2. Make sure the parallel gap between the magnet and detector is less than 20mm and that they are aligned. An alarm will be triggered if the gap is greater than 35mm.
3. Perform the test using the same steps described in Operation & Testing section above to ensure the unit is working properly.

## Maintenance

1. Low Battery: When the battery becomes low, the detector will report back to the gateway every 20 minutes. If the door or window is open the LED will flash to indicate low battery condition to the user.
2. If the battery needs to be changed, please insert the batteries at a 45° angle as shown below.



## Troubleshooting

The troubleshooting table lists some possible causes and solutions. Please contact your original retailer or nearest service center if the below solutions cannot solve your problem.

Symptom	Cause of Failure	Recommendation
LED does not light up	<ol style="list-style-type: none"> <li>1. Run out of battery power.</li> <li>2. Reverse battery polarity.</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove the battery cover to enter hardware test mode. Remove the magnet and the LED should light up. If not, replace the battery.</li> <li>2. Refit the battery with correct polarity.</li> </ol>
With battery cover removed (Test mode), the LED lights up but there is no response from gateway.	<ol style="list-style-type: none"> <li>1. Check if detector has completed binding with Gateway.</li> <li>2. Cannot communicate</li> </ol>	<ol style="list-style-type: none"> <li>1. Follow the steps for Manual Binding</li> <li>2. Place the magnetic detector closer to the gateway.</li> </ol>

## Reset to Factory Settings

To reset back to factory default state:

- (1) Press and hold the Tamper switch for 3 seconds until the LED flashes moderately. Release the button. The unit enters code binding mode and a 30-second countdown starts.
- (2) Within the 30-second countdown, press and hold the link button for more than 6 seconds until the LED turns off.
- (3) Remove the batteries and re-insert them again. If the LED blinks slowly for 30 seconds this implies the device is reset back to factory mode.

## Specifications

Battery	CR2450 3.0V 620mAh Lithium battery
Operating Temperature	-10°C to 40°C
Frequency Range	868MHz

\*\* Specifications are subject to change without notice.



## WARNING:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

<p>ELRO Europe Postbus 9607 - Box E800 1006 GC Amsterdam The Netherlands</p>	 <p><b>GUARANTEE</b> www.elro.eu</p>	<p><b>V1</b></p>	<p><b>Symbols:</b> Recycling and disposal: The WEEE symbol means that this product and batteries must be disposed separately from other household waste. When it reaches its end of life, take it to a designated waste collection point in your area to guarantee a safe disposal or recycling. Protect the environment, human health and natural resources!</p> 
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