

ML-2421 Maxlogic Conventional Ceiling Type (C Class, IP33C) Beacon

ML-2422 Maxlogic Conventional Ceiling Type (C Class, IP65) Beacon

ML-2423 Maxlogic Conventional Wall Type (W Class, IP33) Beacon

ML-2424 Maxlogic Conventional Wall Type (W Class, IP65) Beacon



The **ML-242X** series are **weatherproof** conventional system beacons that provide a visual notification of fire alarms received from panels. They can be used in all systems, from addressable fire alarm systems to conventional fire alarm systems.

The **ML-2421** models are designed **for use in indoor (Type A)** as ceiling-mounted, while the **ML-2423** models are designed **for wall-mounted installation**.

The **ML-2422** models are designed **for use in outdoor (Type B)** as ceiling-mounted, while the **ML-2424** models are designed **for wall-mounted installation**.

**They obtain their power from the sounder line of the conventional system. The LED color is white, and the flash frequency can be adjusted to "0.5Hz and 1Hz".**

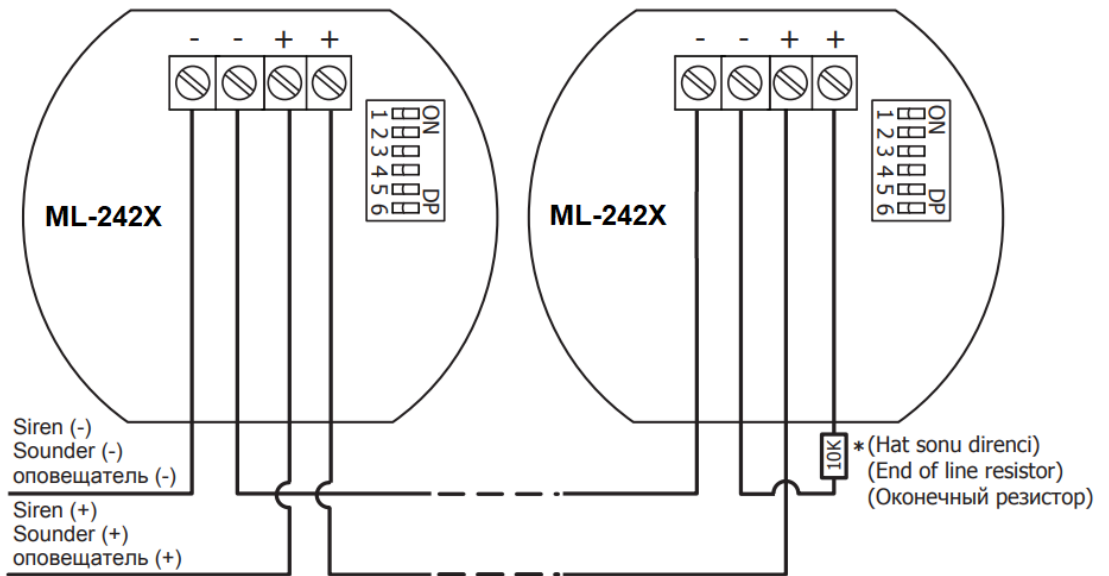
## PRODUCT SPECIFICATIONS

- Compatible with **EN 54-23** standards.
- Model options for indoor (**Type A**) and outdoor (**Type B**).
- Working as **0,5Hz** and **1Hz** with adjustable flash frequency.
- Model options with **Ceiling Type** and **Wall Type**.
- White color, **powerful LED** beacon.
- Compatible with **MAXLOGIC** series addressable and conventional panels.
- **PCB protection with prevention of contact with open air to resist corrosion.**
- Microprocessor controlled.
- Production with Surface Mounting Technology
- Easy installation and use
- Superior and stable working performance.

## TECHNICAL SPECIFICATIONS

Models	ML-2421	ML-2422	ML-2423	ML-2424
Electrical Definitions				
Supply Voltage	21-28V DC			
Alarm Current (max)	34 mA	34 mA	12mA	12mA
Power (max)	0.95W	0.95W	0,34 W	0,34W
Beacon Definitions				
Beacon Class	C Class		W Class	
Coverage Area Display	C-3-3		W-2.4-3	
	C-3-8		W-2.4-8	
Flashing Frequency	0.5Hz - 1 Hz			
LED Color	White			
Mechanical Definitions				
Material	PC +ABS			
Dimensions (mm)	95x95x82mm	99x99x82mm	99x99x82mm	99x99x107mm
Weight	149 gr	153 gr	153 gr	153 gr
Protection Class	IP33C	IP65	IP33C	IP65
Mounting Type	Ceiling Type		Wall Type	
Mounting Height	3m		2,4m	
Body Color	Red			
Cable	1x2x0.8+0.8JH(st)H FE180 / 1x2x1,5+0.8JH(st)H FE180			
Field Definitions				
Operating Temperature	(-25°C) - (+70°C)			
Storage Temperature	(-30°C) - (+70°C)			
Max Relative Humidity	%95 (@+40°C non-condensed)			

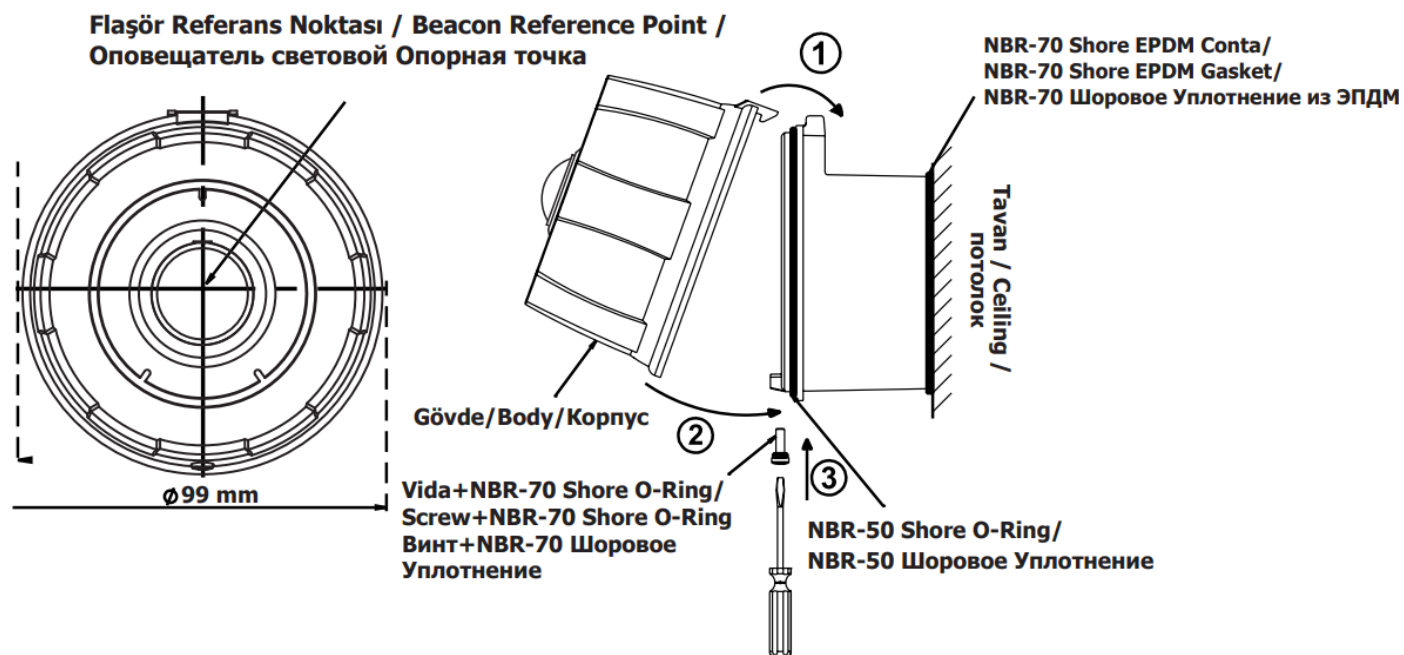
## CABLE CONNECTION



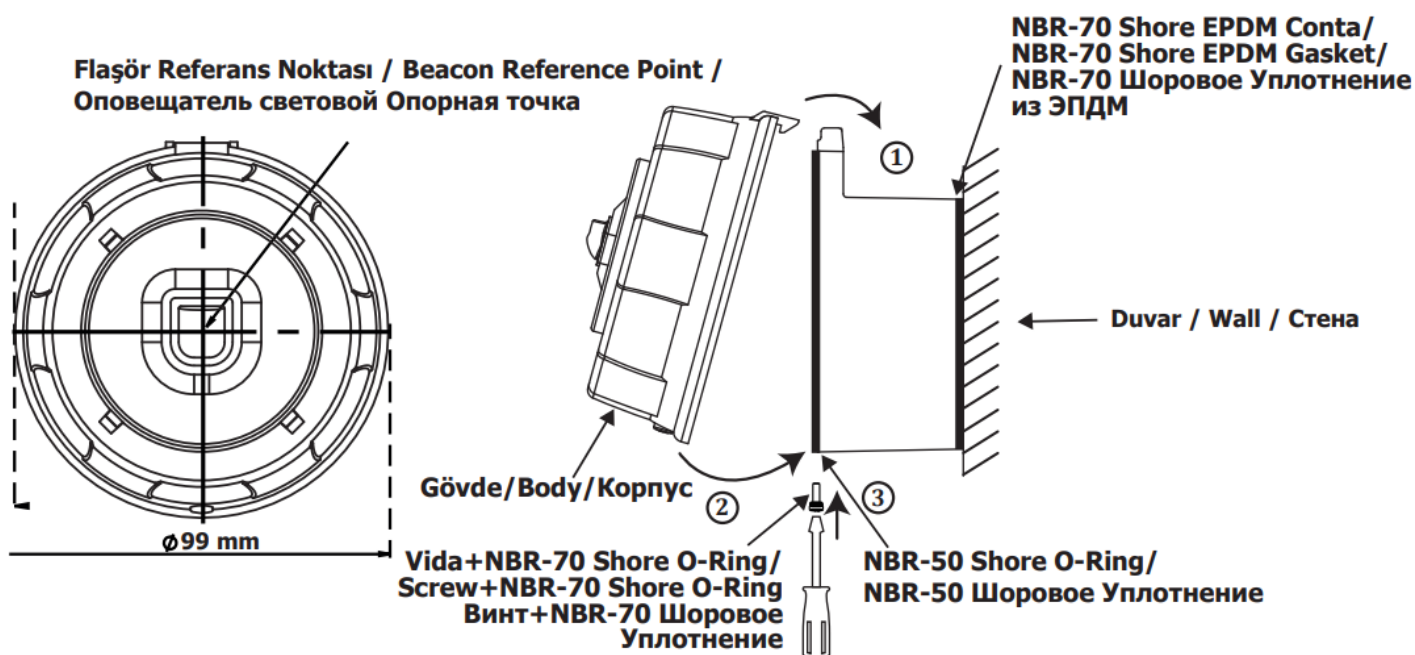
\* Hattın son cihazına 10K'lık hat sonu direnci takılır. / \* 10K end of line resistor is attached to the line end device.

\* К последнему устройству в шлейфе подключается сопротивление в 10 ком.

## Ceiling Type Beacons :



## Wall Type Beacons:



\* During assembly, it is crucial to use NBR EPDM gasket between the wall and the casing as shown in the diagram, NBR O-Ring gasket between the body and the casing, and a small NBR O-Ring gasket on the screw. Failure to do so may result in the declared IP protection level not being achieved.

## ML-2440 & ML-2470

### MAXLOGIC CONVENTIONAL WEATHEPROOF SOUNDER



**ML-2440 (IP33)** and **ML-2470 (IP65)** Maxlogic conventional **weatherproof sounders** are an advanced products with aesthetic design and superior operational performance that are used for audible notifications of fire alarms from panels and provides common use of all systems, from intelligent addressable fire alarm systems to conventional fire alarm systems. They are suitable for **outdoor use** and **powered from conventional sounder line**.

### PRODUCT FEATURES

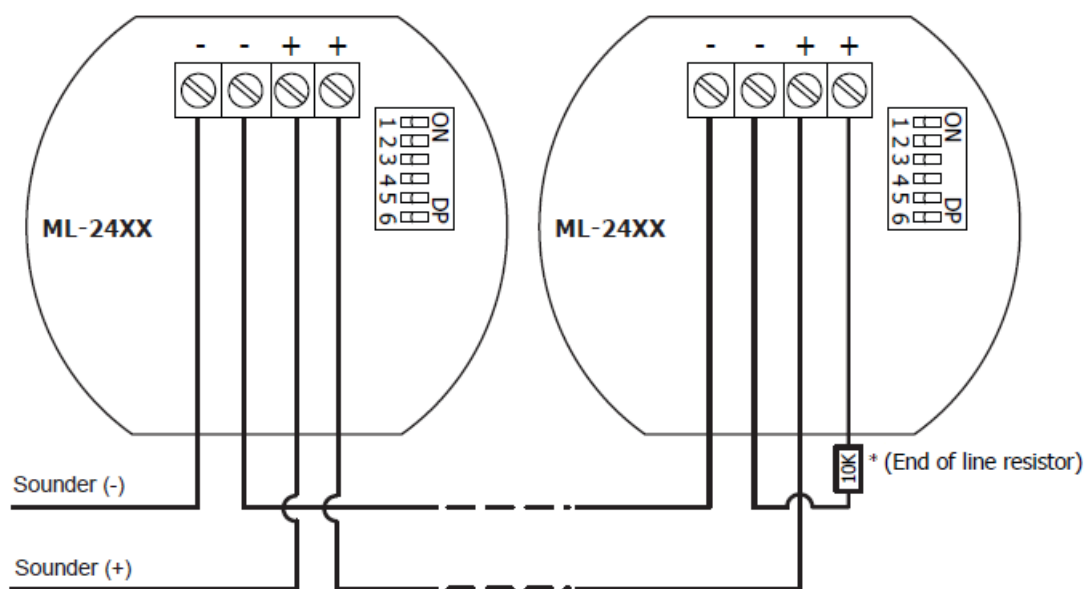
- Compatible with **EN-54-3**
- Special design for **outdoor use**
- Adjustable **different 32 voice tone** options
- Low or high voice power control
- **Up to 100 dB(A)** voice output
- Microprocessor controlled
- Produced by use of surface mount technology
- User friendly
- Stable sensitivity
- **IP33 or IP65 option**

### TECHNICAL SPECIFICATION

Electrical Definitions	
Supply Voltage	21-28V DC
Nominal Supply Voltage	24V DC
Alarm Current (max)	11 mA
Power (max)	0,30 W
Volume Definitions	
Sound Volume @1m	High Sound Volume: 100 dB(A)
	Low Sound Volume: 80 dB(A)
Quantity of Tones	32
Mechanical Definitions	
Construction	PC +ABS
Dimensions (mm)	IP33: 95x95x82mm

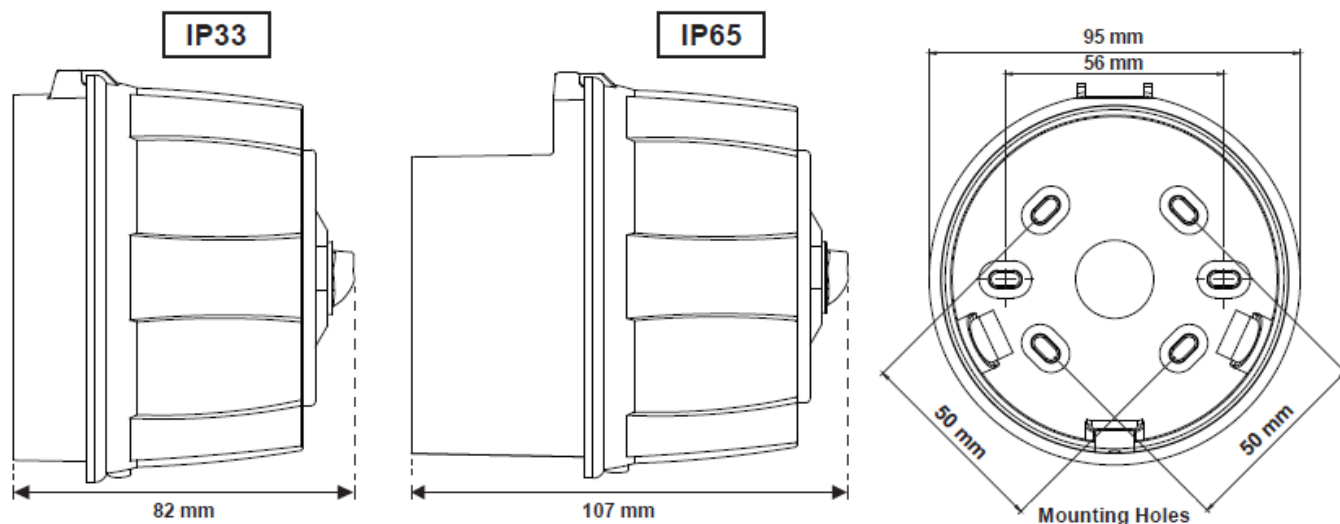
	IP65: 95x95x107mm
<b>Weight</b>	IP33: 154gr IP65: 173gr
<b>Body Color</b>	Red
<b>Cable</b>	1.5mm <sup>2</sup> Fire Cable
<b>Ambient Condition Definitions</b>	
<b>Protection Class</b>	ML-2440:IP33 ML-2470:IP65
<b>Operating Temperature</b>	(-25°C) - (+70°C)
<b>Storage Temperature</b>	(-30°C) - (+70°C)
<b>Relative Humidity</b>	%95 (+40°C non-condensed)

## CONNECTION DIAGRAM



\* 10K end of line resistor is attached to the line end device.

## DIMENSIONS



## MODELS

Product Code	Description
<b>ML-2440</b>	Maxlogic Conventional Sounder, Weatherproof (IP33)
<b>ML-2470</b>	Maxlogic Conventional Sounder, Weatherproof (IP65)

## ML-2460 & ML-2490

### MAXLOGIC CONVENTIONAL WEATHERPROOF SOUNDER & BEACON



**ML-2450 (IP33)** and **ML-2480 (IP65)** Maxlogic conventional **weatherproof sounder** and beacons are advanced products with aesthetic design and superior operational performance that are used for visual and audible notifications of fire alarms from panels and provides common use of all systems, from intelligent addressable fire alarm systems to conventional fire alarm systems. They are suitable for **outdoor use** and **powered from conventional sounder line**.

#### PRODUCT FEATURES

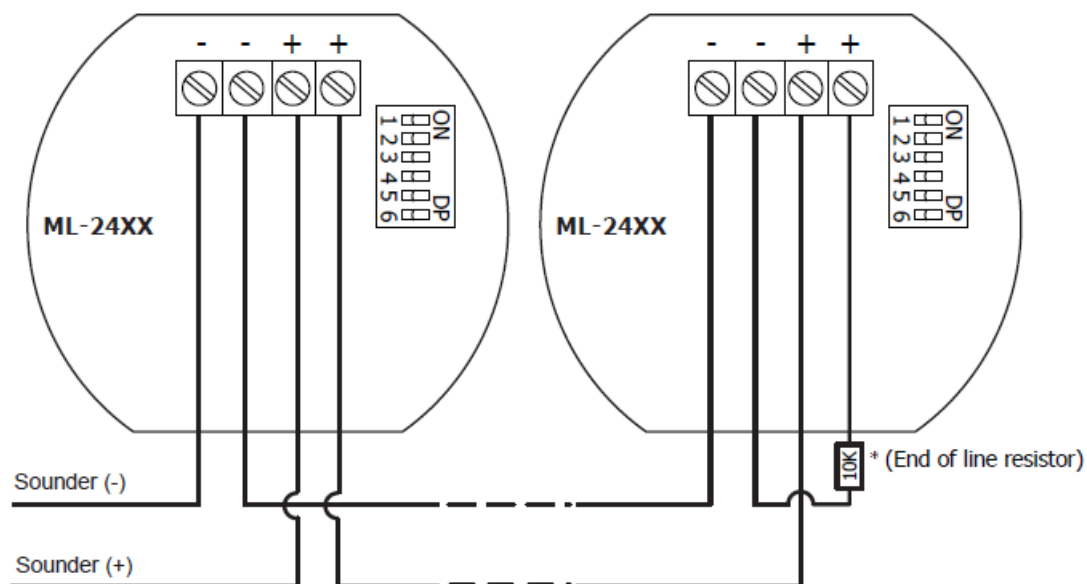
- Compatible with **EN 54-23** and **EN 54-3**
- Special design for **outdoor use**
- **Adjustable flash frequency and coverage area**
- Flasher light is scattered as cubic shape
- White, strong LED flasher
- Adjustable **different 32 voice tone** options
- Low or high volume power control
- **Up to 100 dB(A) voice output**
- Microprocessor controlled
- Produced by use of surface mount technology
- User friendly
- Stable sensitivity
- **IP33 or IP65 option**

#### TECHNICAL SPECIFICATION

Electrical Definitions	
Supply Voltage	21-28V DC
Nominal Supply Voltage	24V DC
Alarm Current (max)	43 mA
Power (max)	1,20 W
Volume Definitions	
Sound Volume @1m	High Sound Volume: 100dB(A)
	Low Sound Volume: 80 dB(A)
Quantity of Tones	32
Flash Definitions	
Width and Length of Coverage	7,5m or 2,5m
Volume of Coverage	135m <sup>3</sup> or 15m <sup>3</sup>

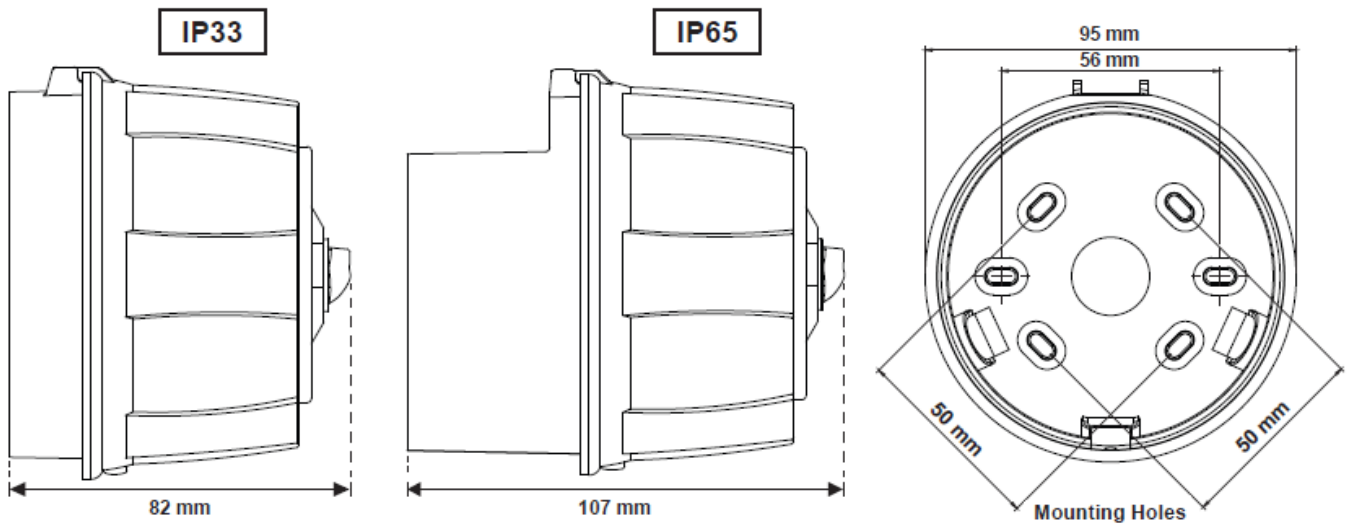
<b>Flash Frequency</b>	1Hz- 0,5 Hz
<b>Beacon Class</b>	W-2.4-7.5, W-2.4-2.5
<b>LED Color</b>	White
<b>Mechanical Definitions</b>	
<b>Construction</b>	PC +ABS
<b>Dimensions (mm)</b>	IP33: 95x95x82mm IP65: 95x95x107mm
<b>Weight</b>	IP33: 166 gr IP65: 185 gr
<b>Mounting Type</b>	Wall Type
<b>Mounting Height</b>	2,4m
<b>Body Color</b>	Red
<b>Cable</b>	1.5mm <sup>2</sup> Fire Cable
<b>Ambient Condition Definitions</b>	
<b>Protection Class</b>	ML-2460:IP33 ML-2490:IP65
<b>Operating Temperature</b>	(-25°C) - (+70°C)
<b>Storage Temperature</b>	(-30°C) - (+70°C)
<b>Relative Humidity</b>	%95 (+40°C non-condensed)

## CONNECTION DIAGRAM



\* 10K end of line resistor is attached to the line end device.

## DIMENSIONS



## MODELS

Product Code	Description
<b>ML-2460</b>	Maxlogic Conventional Sounder & Beacon, Weatherproof (IP33)
<b>ML-2490</b>	Maxlogic Conventional Sounder & Beacon , Weatherproof (IP65)