

ML-2490.IS MAXLOGIC CONVENTIONAL SOUNDER & BEACON, WEATHERPROOF (IP65),
INTRINSICALLY SAFE



It has been designed according to **EN IEC 60079-0:2018, EN 60079-11:2012 and EN ISO/IEC 80079-34:2020** standards as **intrinsically safe (I.S) for use in hazardous environments**. It also meets the requirements of the **EN 54-3 and EN 54-23** standard.

ML-24XX.IS series sounders & beacons are **Type B** electronic sounders that can be used by all systems from **intelligent addressable fire alarm systems, providing visual notification of the fire alarm coming from the panel. They get their energy from the conventional siren line.**

Flasher LED color is white, **coverage volume** can be adjusted as **W-2.4-2.5** and **W-2.4-7.5** and **flash**

frequency as 0.5 – 1Hz with dip switch.

There are **32 different tones** for sounders. Sound tones and **tones' high/low sound settings** can be adjusted with a dip switch.

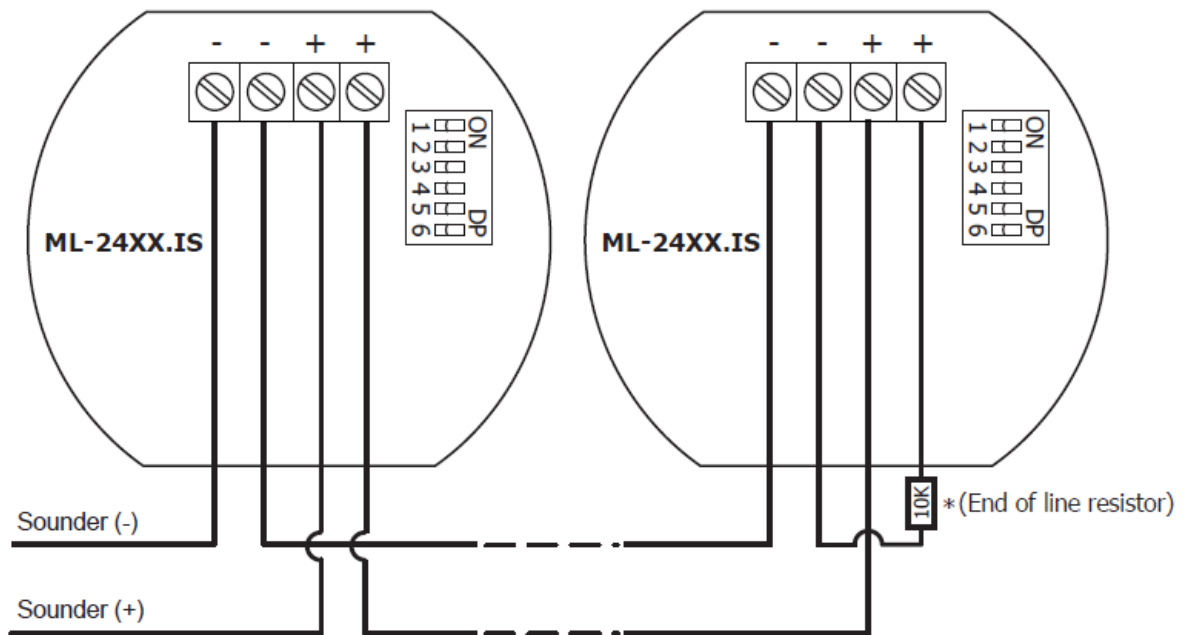
GENERAL FEATURES

- Complies with ATEX directive **EN IEC 60079-0:2018, EN 60079-11:2012 and EN ISO/IEC 80079-34:2020** standards.
- It is designed according to the classification of **ATEX Ex II 1G EX ia IIC T4 Ga -25°C≤Ta≤70°C**.
- It has an **IP65** protection degree.
- It can be used in **Category 1, 2 or 3 hazardous atmosphere environments** with temperatures up to **70°C**.
- Complies with Construction Product Regulation **EN 54-3 and EN 54-23** standard.
- Flasher **LED color is white, coverage volume** can be adjusted as **W-2.4-2.5** and **W-2.4-7.5** and **flash frequency as 0.5 – 1Hz** with dip switch.
- There are **32 different tones** for sounders.
- Sound tones and **tones' high/low sound settings** can be adjusted with a dip switch.

TECHNICAL FEATURES

Supply Voltage		21 – 28.5V DC
Nominal Supply Voltage		24V DC
Alarm current (max.)		43mA
Power (max.)		1,20W
Operating Temperature		(-25°C) - (+70°C)
Storage Temperature		(-30°C) - (+80°C)
Relative Humidity		%95 (@+40°C non-condensed)
Sound Level	High	90dBA
	Low	80dBA
Quantity of Tones		32
Dimensions		95x95x107mm
Weight		168gr
Protection Class		IP65
Cable		2x1.5 N2XH FE180
Mounting Type		Wall Type
Mounting Height		2.4m
Coverage Area		7.5m or 2.5m
Flash Frequency		0.5 – 1Hz
Coverage Volume		W-2.4-7.5 / W-2.4-2.5
LED Color		White
Construction		PC + ABS
Body Color		Red
Synchronization		None

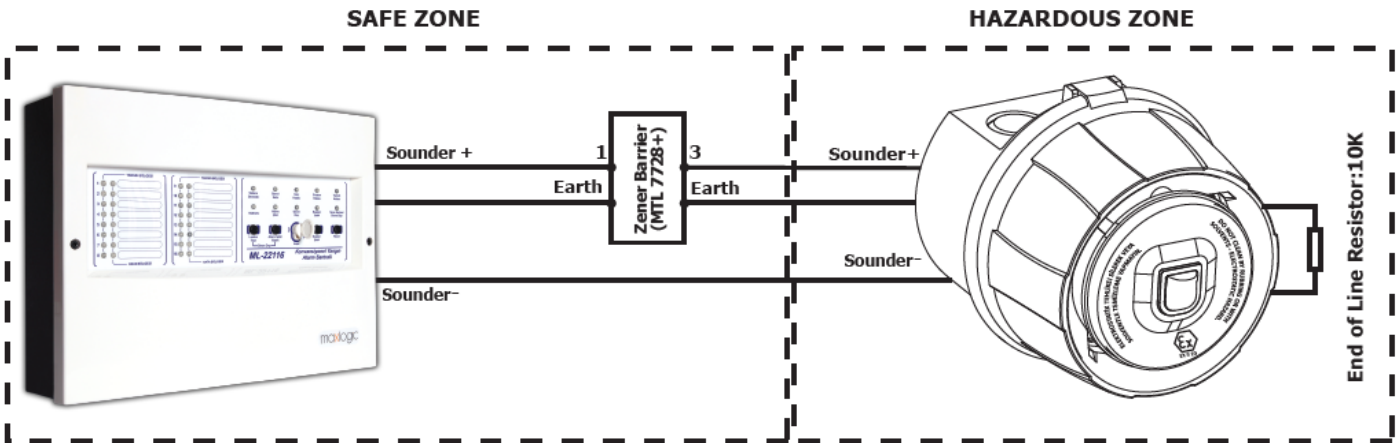
CONNECTION SCHEME



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

CONNECTION TO HAZARDOUS ZONE WITH ZENER BARRIER

- CONNECTION WITH MTL 7728+



Important Note:

- * Use a suitable amount of products for Zener Barrier output current.
- ** The earth connection of the system must be made.
- *** The Earth Connection of Safe Zone or Hazardous Zone must be provided with "Zener Barrier"

MAXIMUM CABLE LENGTH

Cable ($\mu\text{F}/\text{km}$)	Group IIC	Group IIB	Group IIA
1x2x0,8+0,8JE-H(st)H ($<100\text{nF}/\text{km}$)	$0,083\mu\text{F}/(100\text{nF}/\text{km})=$ 800m	1 km (0,8mm cable for maximum length)	1 km (0,8mm cable for maximum length)
1x2x0,8+0,8J-H(st)H ($<100\text{nF}/\text{km}$)	$0,083\mu\text{F}/(100\text{nF}/\text{km})=$ 800m	1 km (0,8mm cable for maximum length)	1 km (0,8mm cable for maximum length)