

# MX211

## ADDRESSABLE SOUNDER CIRCUIT MODULE



### Features and Benefits

- EN54-18 Compliance
- Built-in MCU Processor with Digital Addressing
- Intelligent self-diagnosis of open circuit
- Enhanced capacity of interference resistance by using multilevel wave filtering process
- LED Status Indicator
- Onsite Adjustable Parameter
- Loop or External Power Input
- Aesthetically pleasing design
- Parallel connecting up to 10 fire alarm ( $\leq 500\text{mA}$ )

### Overview

MX211 Addressable Sounder Circuit Module unit is an addressable interface module, which will integrate Alarm Bell, Electronic Sounder or Strobe to addressable system. When any of the connected devices alarms are active, the unit can send the alarm message to fire alarm controller, which generates alarm signal and displays its address. It has the function of checking short or open circuit of the output connection, by the End of Line Resistor (EOLR). The fault message includes open circuit, short circuit or any removal of the devices.

The unit manufactured base on the requirement of EN 54 part 18, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs and its plug-in type assemblies make installation and maintenance more convenient to the installer. The unit is compatible to the MX700 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture to avoid addressable communication compatibility problem.

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**Technical Specification**

<b>Listed</b>	LPCB Pending			
<b>Compliance</b>	EN54-18:2005/AC2007			
<b>Operating Voltage</b>	Loop : Loop 24V (16V ~28V)		Power : 24VDC (20 to 28VDC)	
<b>Current Consumption</b>	Loop :		External PSU :	
	Standby : 1.5mA	Alarm : 10mA	Standby : 4mA	Alarm : 500mA
<b>Alarm Mode</b>	4 Modes			
<b>End of line Resistance</b>	5.1Kohm, ¼ W			
<b>Programming Method</b>	Electronically addressed with 1~242, occupies one or two addresses			
<b>Indicator Status</b>	Output Activation LED: red, illuminates when start.		Fault LED: red, flashes when polling, flashes twice when the circuit is short, broken or 24V power off.	
<b>Material / Colour</b>	ABS		White Glossy finishing	
<b>Dimension / LWH</b>	108mm Width x 86mm Height x 38mm Depth			
<b>Weight</b>	154g (with Base)		83g (without Base)	
<b>Operating Temperature</b>	-10°C to +50°C			
<b>Ingress Protection Rating</b>	IP30			
<b>Humidity</b>	0 to 95% Relative Humidity, Non condensing			

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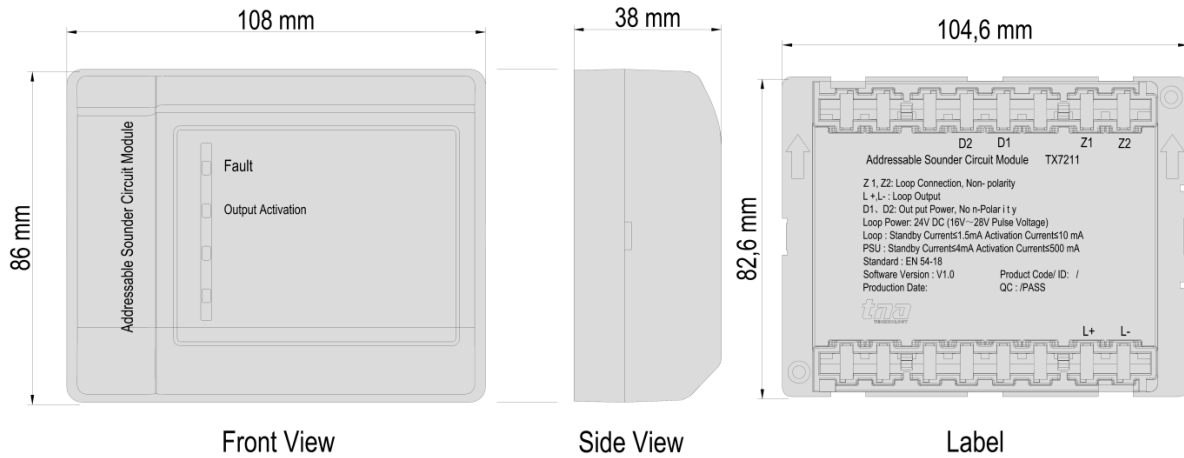
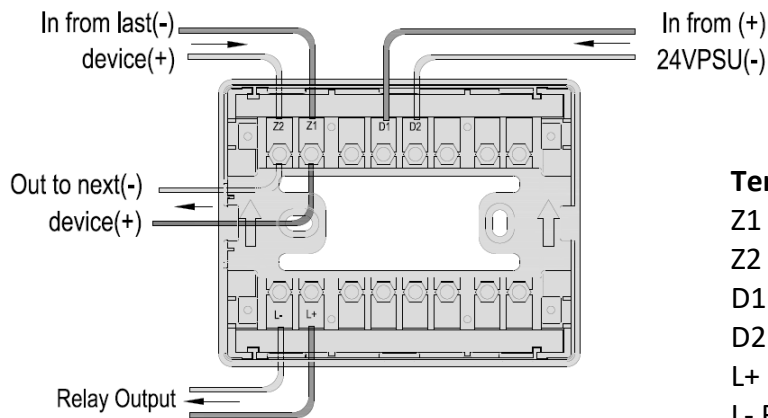


Figure 1: Addressable Sounder Circuit Module



### Terminal Description

- Z1 Signal in Non-polarity
- Z2 Signal in Non-polarity
- D1 External Power Supply in Non-polarity
- D2 External Power Supply in Non-polarity
- L+ Remote Indicator (+)
- L- Remote Indicator (-)

Figure 2: Wiring

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