S Simplex

UL Listed*

MX Technology Addressable Devices

Loop Powered General Signaling Sounder-Beacons
for Indoor and Outdoor Applications

Features

MX Technology addressable sounder-beacon features:

- MX loop powered with internal isolator, separate voltage is not required

- Listed to UL 464 for general signaling operation

- Available for indoor mounting in red or white and for outdoor mounting in red

- Indoor and outdoor sounder-beacons include a matching surface mount box with tamper resistant latch (release tool is supplied)

- Selectable output volume of 90 dB or 103 dB

- Sounders-Beacons on the same MX Loop are synchronized

- Output sound patterns are selectable from the MX Loop Module to be: March Time (60 bpm); Slow March Time (20 bpm); or Continuous

- LED beacon flash rate is selectable as either once per second (1 Hz) or once every 2 seconds (½ Hz)

- Address and sounder-beacon selections are easily programmed with the MX 850EMT Engineering Management Tool

Compatibility:

- For use with Simplex® 4100ES and 4010ES Series fire alarm control panels equipped with an MX Loop Module

- Refer to data sheet S4100-0059 for MX Loop Module details

- Refer to specifications section for wiring requirements

4906-5205 Indoor Red Sounder-Beacon

4906-5206 Indoor White Sounder-Beacon

4906-5207 Outdoor Red Sounder-Beacon

Description

MX Loop Powered Sounder-Beacons use MX Technology communications for control and power. Indoor models are available in red or white. The outdoor model is in red.

With these loop powered sounder-beacons, supervision is accomplished using MX loop communications and then they can be activated with the tone selection controlled from the MX Loop Module. Beacon flash rate is selected at the sounder-beacon using the MX 850EMT Engineering Management Tool.

* Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products.

Product Selection

Model	Color	Description	Dimensions
4906-5205	Red	**Indoor** Sounder-Beacon with mounting box	108 mm W x 108 mm H x 96 mm D (4.25" x 4.25" x 3.78")
4906-5206	White		
4906-5207	Red	**Outdoor** Sounder-Beacon with mounting box	110 mm W x 110 mm H x 105 mm D (4.33" x 4.33" x 4.13")

Accessories

Model	Description
516.850.900	MX Engineering Management Tool, ref. MX Model 850EMT, installation, diagnostic, and programming tool
516.800.922	MX Ancillary Program Lead (Spare)
516.800.923	MX Service Tool Accessory Kit
516.800.924	Package of 10 spare pins for ancillary programming lead

Specifications

MX Loop Supervisory Current		0.45 mA	
	Sounder Setting	**Low Volume Sounder**	**High Volume Sounder**
Sound Level and Alarm Current	Sound Output (for general signaling)	90 dB (± 3 dB) @ 3 m (10 ft)	103 dB (± 3 dB) @ 3 m (10 ft)
	Current ½ Hz Flash	6.5 mA	12 mA
	1 Hz Flash	7.6 mA	13.2 mA
Wiring Connections		Terminal blocks, for wire size 0.5 to 2.5 mm^2 (20 to 14 AWG)	

NOTE: Wiring Requirements		To provide segregation between fire alarm devices and general signaling sounders, wiring into and out of these sounder-beacons must be connected through the following MX Loop Sensor Bases:
		
		  4098-5215 (Loop Powered Sounder Base)
		  4098-5212 (Loop Powered Sounder-Beacon Base)
		  4098-5260 (4" Continuity Base)
		  or the 4090-5206 Line Isolator
		
		Refer to data sheet S4098-0051 for MX Loop Sensor Base details and data sheet S4090-0012 for Line Isolator details	

Environmental, **Indoor** Models	Operating Temperature	0° C to 49° C (32° F to 120° F)	
	Storage Temperature	-25° C to 70° C (-13° F to 158° F)	
	Humidity	up to 95% RH non-condensing	
	IP Rating	IP21C (EN60529)	
Environmental, **Outdoor** Model	Operating Temperature	-40° C to 66° C (-40° F to 151° F)	
	Storage Temperature	-25° C to 70° C (-13° F to 158° F)	
	IP Rating	IP65	
Installation Instructions		579-1086	