

Features

MX Technology modules include the following features:

- Line Isolator Modules monitor line condition and separate input from output to isolate short circuits.
- Modules are mounted in a cover assembly that shows the LED status indicator.
- Modules are mounted with covers in a standard dual gang MK box.
- Line Isolator Modules are UL listed to Standard 864.

MX Technology modules are compatible with the following fire alarm control panels:

- Simplex 4100ES, 4010ES, and 4007ES Series fire alarm control panels equipped with an MX Loop Module.
- Refer to data sheet *S4100-0059 ESMX Loop Interface Modules for 4100ES and 4010ES Fire Alarm Control Panels* for ESMX loop module details.

Description

These MX Technology addressable I/O (input/output) modules provide flexible monitoring and control to satisfy a variety of applications. Each module is individually addressable and communicates with an MX Loop Module located in the host fire alarm control panel.

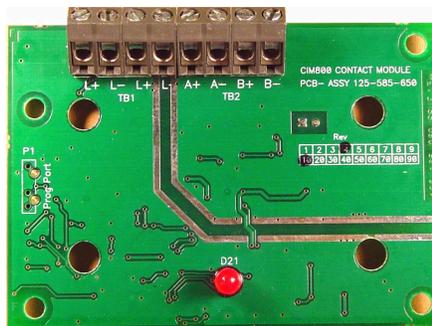


Figure 1: 4090-5206 Line Isolator Module

4090-5206 Line Isolator Module features are as follows:

- The module monitors the MX Loop line condition for short circuits and provides connection and isolation using solid state switches.
- A spur circuit is connected between the input and output switches for connection convenience.
- A fault on either the input, the left side, wiring or the output, the right side, wiring opens that switch, allowing the spur to continue to operate for loop circuits wired Class A, and also isolates the shorted wiring section from the functioning section.
- A fault on the spur circuit opens both switches, separating the spur from the rest of the communications loop.

Dimensions and installation

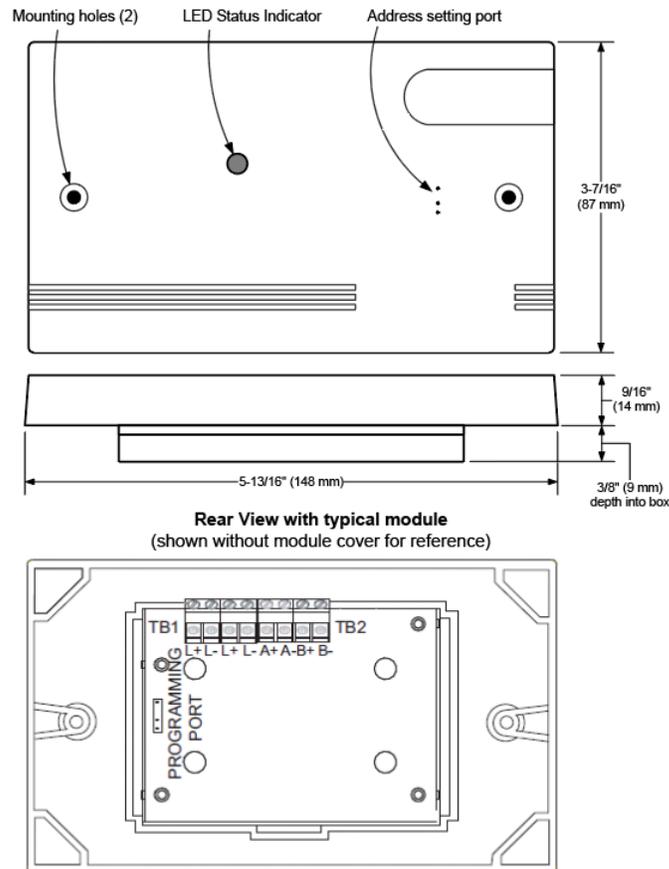


Figure 2: MX Technology module front and bottom view reference

Product Selection

Model	Description	Installation instructions reference
4090-5206	Line Isolator Module	579-835

Specifications

Table 1: Specifications

Specification	Rating
MX Loop Current	0.08 mA in standby 6 mA with single trip; 10 mA with double trip or a fault on spur circuit
Mounting box for each full size module; not applicable to the 4090-5201 Mini-IAM	Standard 2-gang MK box
Wiring Connections	Terminal blocks, for wire size 20 to 14 AWG (0.5 to 2.5 mm ²)
Operating Temperature	32 °F to 120 °F (0 °C to 49 °C)
Humidity	Up to 93% RH at 90 °F (32 °C)