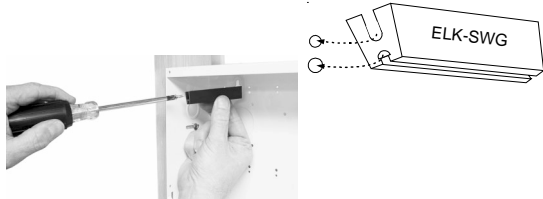


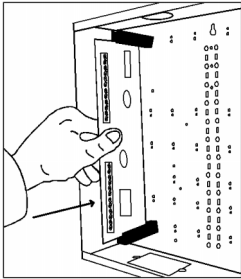
## Installation

1. A single M1XIN Expander can be mounted inside the M1 enclosure on the left hand side of the M1 board using the supplied ELK-SWG Circuit Board Glides. If additional expanders are required, they can be mounted in either an ELK-SWB14 or ELK-SWB28 enclosure. Up to 8 expanders can be mounted in an SWB14 while up to 16 expanders can be mounted in an SWB28.

The ELK-SWG Circuit Board Glides attach to the enclosure at strategically placed 2-hole punch patterns. Note that one hole in each pattern is slightly larger than the other. The small hole is for a 6/32 type "F" mounting screw and the large hole is for a half-moon shape locator tab on the bottom of each glide.



2. Starting at the top left corner, loosely start a 6/32" mounting screw in the small hole of the first 2-hole pattern. Place the slotted edge of a board glide under this screw, making sure that the half-moon tab fits into the larger hole and the grooved edge is facing down. Tighten the screw using a long shafted screwdriver. Install a second board glide in the 2-hole pattern 6" below. Attach the second board glide using the same procedures. The grooved edge of this glide should face up.
3. Slide the M1XIN board into the grooves provided by the glides. The circuit board should slide freely. If loose or too tight, simply loosen one of the mounting screws and adjust the glide to assure a good fit.



## Wiring Connections

1. Turn Control Panel Master Power Switch Off.
2. Use a 4 wire cable to connect terminals +VKP, Data A, Data B, and Neg from Control to terminals 12V, A, B, and Neg on the M1XIN. NOTE: If the zone expander is remotely mounted, refer to information on the back and in the M1 Installation Manual for important information about data bus devices connected to multiple homerun cables.
4. Set Address Switches according to Table 1.
5. Power up the Control and the expander(s).
6. Use Keypad to access the Installer Programming Mode and go to Menu 01-Bus Module Enrollment. Press the right arrow key to start enrollment. To view the results, press the right arrow "edit" key.
6. Go to Menu 05-Zone Definitions and enable any of the new zones. Zone numbers printed on the boards are relative to that board only. The actual zone ID is based on the starting address setting.

NOTE: If it becomes necessary to replace an enrolled device, set the new unit to the same address and repeat the enrollment. If permanently removing a device, un-enroll it to prevent a trouble condition.

# 16 Zone Expander ELK-M1XIN

## APPLICATION:

The **ELK-M1XIN** adds 16 hardwired zones (EOL resistor supervised) to the M1 or M1G Control. It operates on the 4-wire data bus and features flash memory which allows field updating of its operating firmware. Up to 12 zone M1XIN boards may be connected, increasing total zones (inputs) to 208.

**ELK**  
PRODUCTS, INC.

## 16 Zone Expander ELK-M1XIN



## FEATURES:

- 16 EOL Resistor Supervised Hardwire Zones
- Operates on the 4-Wire Data Bus
- DIP Switch Address Settings
- Flash Memory for Firmware Updating
- Plug-In Terminal Strips
- Status and Diagnostic LED
- On-Board EOL Bus Termination Jumper
- Vertical Mounting using ELK-SWG Glides (included)

## SPECIFICATIONS:

- Inputs: Plug-In Terminals with Elevator Style Wire Clamps and Screws
- Operating Power Range: 9 to 14 VDC
- Current Draw: 65 mA
- Size: 6" x 3.25" x .75" H

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**Instructions Printed On Inside**

