INSTALLATION AND MAINTENANCE INSTRUCTIONS
MIX-4040 DUAL INPUT MODULE
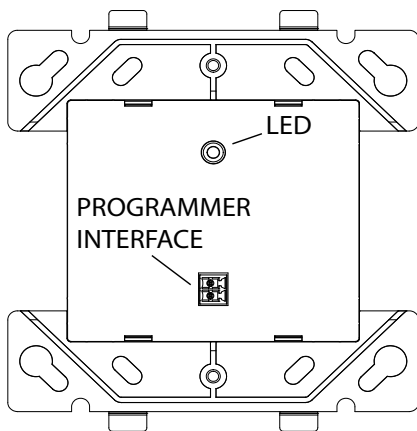
ABOUT THIS MANUAL
This manual is included as a quick reference for installation. For further information on the use of this device with a FACP, please refer to the panel's manual.

Note: This manual should be left with the owner/operator of this equipment.

MODULE DESCRIPTION
The MIX-4040 Dual Input module is designed to operate with a listed compatible intelligent fire system control panel. The module can support one Class A or 2 Class B inputs. When configured for Class A operation, the module provides an internal EOL resistor. When configured for Class B operation, the module can monitor two independent input circuits while using only one module address. The address of each module is set using the MIX-4090 programmer tool and up to 240 units may be installed on a single loop. The module has a panel controlled LED indicator.

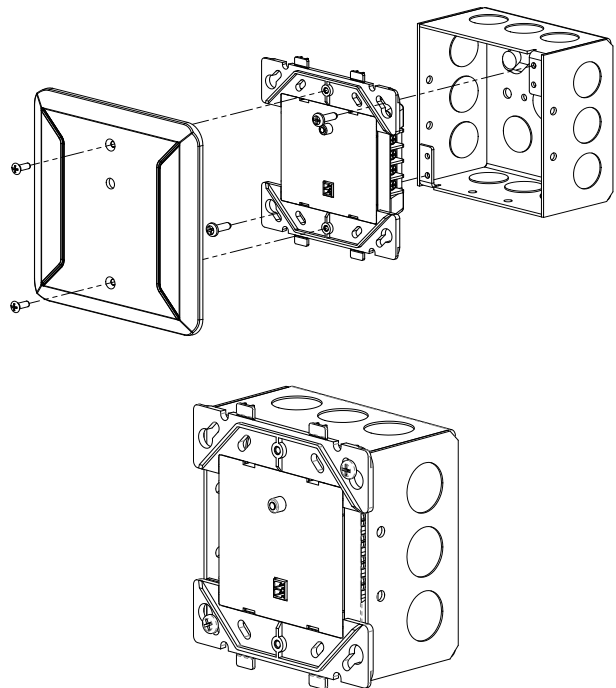### FIGURE 1 MODULE FRONT:

SPECIFICATIONS

Normal Operating Voltage:	15 to 30VDC
Alarm Current:	3.3mA
Standby Current:	2mA with two 22k EOL
EOL Resistance:	22k Ohms
Maximum Input Wiring Resistance:	150 Ohms total
Temperature Range:	32F to 120F (0c to 49C)
Humidity:	10% to 93% Non-condensing
Dimensions:	4 5/8"H x 4 1/4" W x 1 1/8" D
Mounting:	4" square by 2 1/8" deep box
Accessories:	MIX-4090 Programmer
	BB-400 Electrical Box
	MP-302 EOL on mounting plate
Wiring range on all terminals:	22 to 12 AWG

MOUNTING
Notice: You must disconnect power from the system before installing the module. If this unit is being installed in a system that is currently operational, it is necessary to inform the operator and the local authority that the system will be temporarily out of service.

The MIX-4040 module is intended to be mounted in a standard 4" square back-box (see Figure 2). The box must have a minimium depth of 2 1/8 inches. Surface mounted electrical boxes (BB-400) are available from Mircom.

FIGURE 2 MODULE MOUNTING:

WIRING:
Note: This device should be installed as per applicable requirements of the authorities having jurisdiction. This device shall be connected to power limited circuits only.

1. Install the module wiring as indicated by the job drawings and appropriate wiring diagrams (see Figure 3 for an example of wring for a Class A connected device and Figure 4 for an example of Class B)

2. Use the programmer tool to set the address on the module as indicated on the job drawings.

3. Mount the module in the electrical box as shown in figure 2.

FIGURE 3   SAMPLE CLASS A WIRING:

TO PANEL OR
NEXT DEVICE

SLC_{out-}
SLC_{out+}

SLC_{in-}
SLC_{in+}

SLC-
SLC+
SLC-
SLC+

A −
A +
B −
B +

IN_{A-}
IN_{A+}
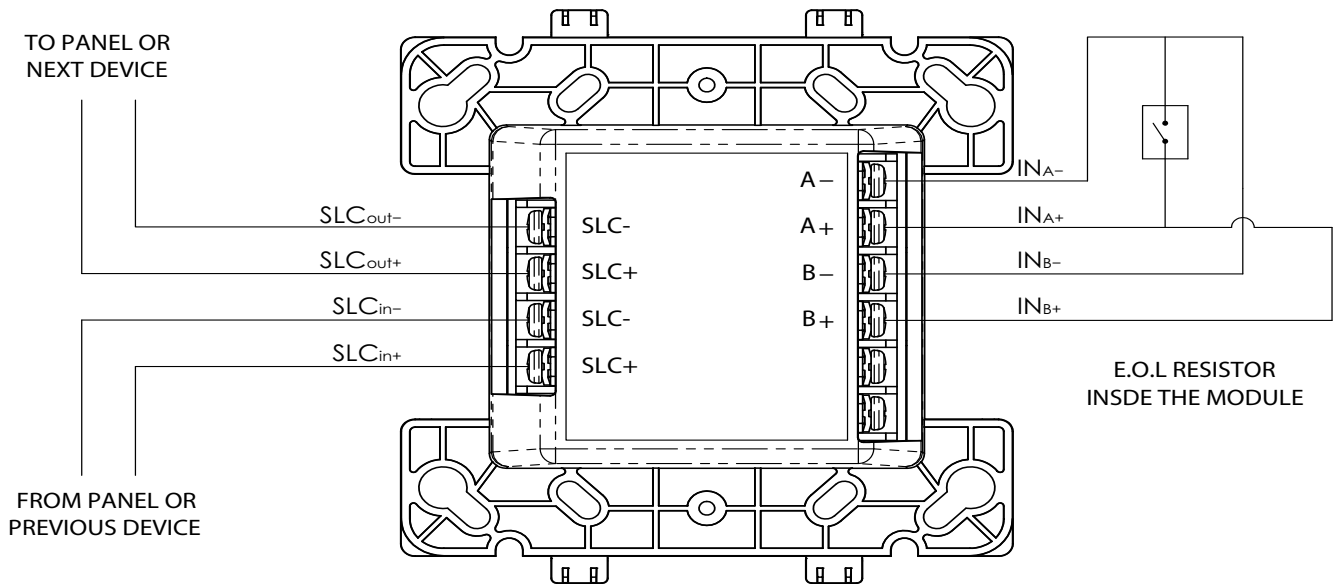IN_{B-}
IN_{B+}

E.O.L RESISTOR
INSDE THE MODULE

FROM PANEL OR
PREVIOUS DEVICE

FIGURE 4   SAMPLE CLASS B WIRING:

TO PANEL OR
NEXT DEVICE

SLC_{out-}
SLC_{out+}

SLC_{in-}
SLC_{in+}

SLC-
SLC+
SLC-
SLC+

A −
A +
B −
B +

IN_{A-}
IN_{A+}
MP-302 (22k)

IN_{B-}
IN_{B+}
MP-302 (22k)

FROM PANEL OR
PREVIOUS DEVICE