

# SIEMENS

## Installation Instructions

Model MID-16

Input Module

### INTRODUCTION

The Model MID-16 from Siemens Industry, Inc., provides sixteen general purpose inputs for user defined operations for the MXL.

The Model MID-16 is controlled by the MOI-7 module (See P/N 315-092799). Up to eight MID-16s can be used with an MOI-7.

### OPERATION

Each MID-16 monitors a maximum of sixteen inputs. The inputs are activated by connecting a positive voltage to the input terminal. The function of each individual input is defined by the usage assigned to it in the CSG-M. See the *CSG-M Manual* (P/N 315-090381) for the list of usages.

MID-16s can be mixed with MOD-16s (See P/N 315-090830) up to a maximum of eight modules each on the same MOI-7. MID-16s do not interact with MOD-16s (except by logical function as defined in the CSG-M). MID-16s can also supervise incandescent lamps that are controlled by MOD-16 outputs.

For additional information on the MXL/MXLV System, refer to the *MXL/MXLV Manual*, P/N 315-092036.

### INSTALLATION

**Remove all system power before installation, first battery and then AC.** (To power up, connect the AC first, then the battery.)

1. Mount the MID-16 in one module space using the four screws provided.
2. Connect the MID-16 to the module to its left with the 10-position ribbon cable P/N 555-190940 provided. This module may be either an MOI-7, MOD-16, or MID-16.
3. If a connection to a module on another rail is required, use the optional cable P/N 555-190941.

### ELECTRICAL INFORMATION

|                              |                               |
|------------------------------|-------------------------------|
| Active 5VDC Module Current   | 2mA                           |
| Active 24VDC Module Current  | 0mA + 3mA per connected input |
| Standby 24VDC Module Current | 2mA                           |

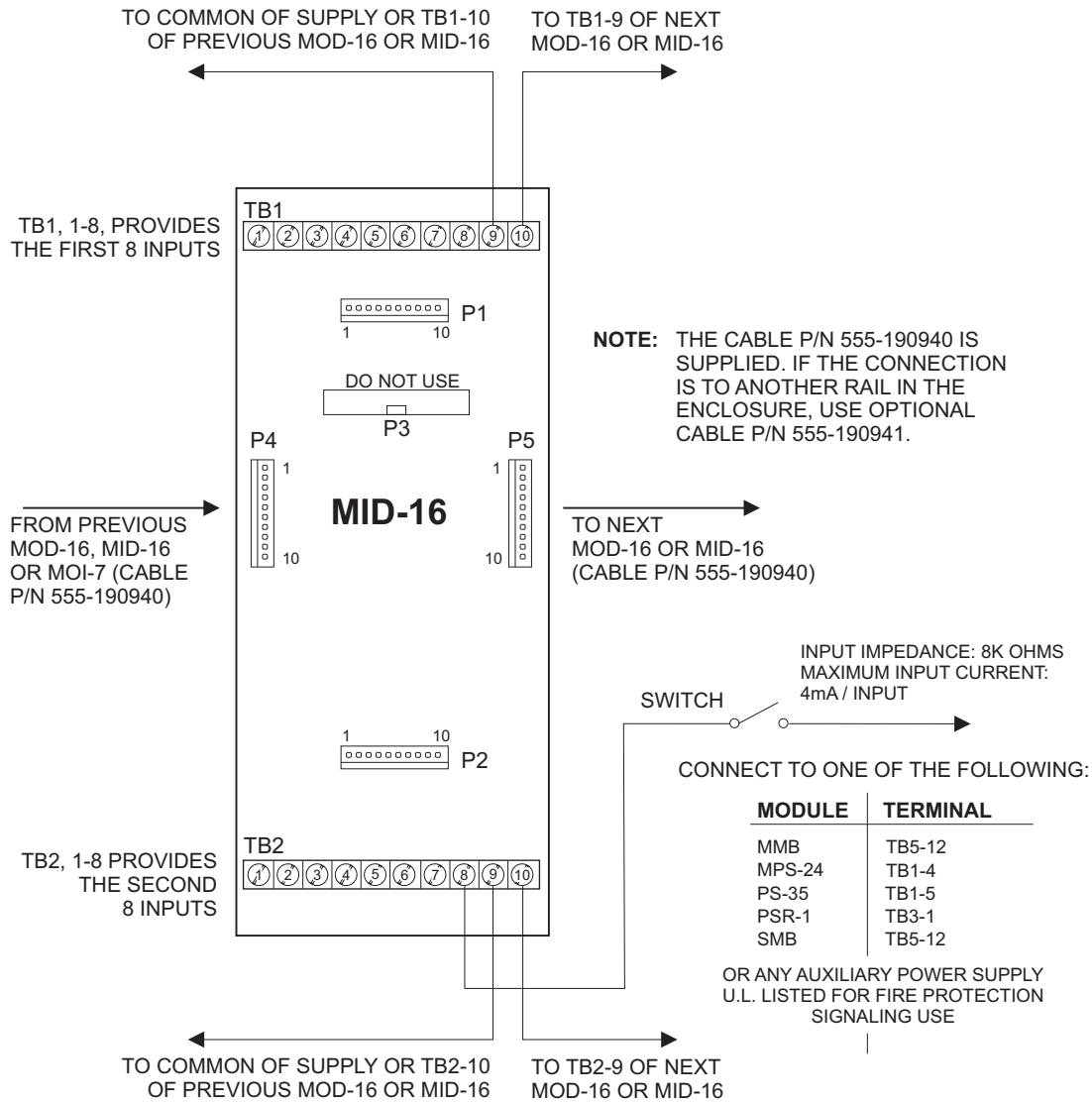
Input ratings:

|                     |             |
|---------------------|-------------|
| Input voltage range | 18-31 VDC   |
| Input impedance     | 8K ohms     |
| Input current       | 3mA @ 24VDC |

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**NOTES:**

1. 18 AWG minimum for all input connections.
2. 14 AWG minimum for supply connections (TB 1-9 and 10, TB2-9 and 10).
3. All wiring must be in accordance with NEC 760.
4. All wiring must meet local codes and satisfy the authority having jurisdiction over the installation.
5. All wiring to MID-16, MOD-16, or MOI-7 (non-network) modules is unsupervised. Any wiring leaving the enclosure must be within 20 feet, in rigid conduit, and must not leave the room.
6. For additional information see MOI-7 module instructions, P/N 315-092799.
7. A maximum of 8 MID-16s can be used with the MOI-7.
8. P1 is connected in parallel with TB1.
9. P2 is connected in parallel with TB2.

**Figure 1**  
**Wiring Connection**