SIEMENS

Installation Instructions
Model MOD-16
Output Driver

INTRODUCTION

The Model MOD-16 MXL Output Driver from Siemens Industry, Inc. is an annunciator driver that activates up to 16 outputs.

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

OPERATION

Each MOD-16 activates any of its 16 programmable outputs for LEDs or for 24V lamps. The selection of either the desired LEDs or the 24V lamps is made at 16 positions on dipswitches S1 and S2 (See Figure 1).

If LEDs are used, open all dipswitches in S1 and S2 to provide for current limiting. Opening a dipswitch (OFF position) inserts a 2.7K ohm resistor in series with the output.

If 24V lamps or the SR-35 are used, close all the dipswitches. Closing a dipswitch (ON position) eliminates the 2.7K ohm limiting resistor.

CAUTION: PROPER SETTING OF THE DIP-SWITCH IS NECESSARY TO PREVENT CIRCUIT DAMAGE.

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, first connect the AC and then the battery.)

1. Mount the MOD-16 in one module space on a System 3 type rail using the four screws provided.
2. Connect the MOD-16 to the MOI-7 with the 10-position ribbon cable P/N 555-190940 provided with the MOI-7.
3. If a connection to a MOD-16 module on another rail is required, use the optional cable P/N 555-190941.

ELECTRICAL RATINGS

Active 5VDC Module Current	2mA
Active 24VDC Module Current	0mA + 50mA per connected output
Standby 24VDC Module Current	2mA

Terminal voltage: 40V peak maximum

Maximum current for each output: 50mA

Siemens Industry, Inc.
Building Technologies Division
Florham Park, NJ

P/N 315-090830-8

Siemens Building Technologies, Ltd.
Fire Safety & Security Products
2 Kenview Boulevard
Brampton, Ontario
L6T 5E4 Canada

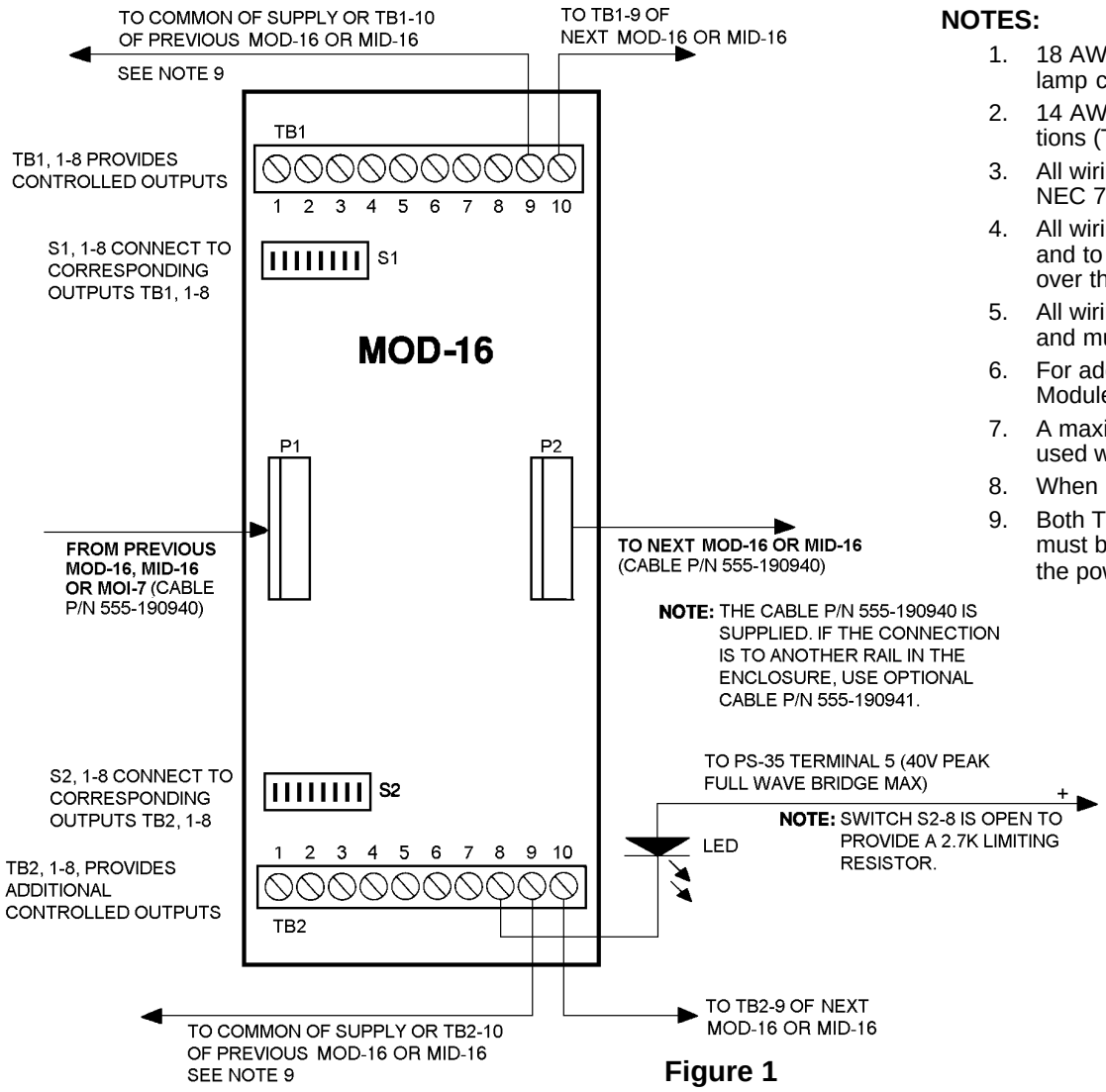

Figure 1
Wiring Connection

NOTES:

1. 18 AWG minimum for LED and 24V lamp connections.
2. 14 AWG minimum for supply connections (TB1-9 and 10, TB2-9 and 10).
3. All wiring must be in accordance with NEC 760.
4. All wiring must conform to local codes and to the authority having jurisdiction over the installation.
5. All wiring to MOD-16 is unsupervised and must not leave enclosure.
6. For additional information see MOI-7 Module instructions, P/N 315-092799.
7. A maximum of 8 MOD-16s can be used with the MOI-7.
8. When using SR-35, refer to Table 1.
9. Both TB1-9 (or 10) and TB2-9 (or 10) must be connected to the common of the power supply.

TABLE 1
Connection to SR-35 Module*

Note: When using SR-35 with MOD-16, jumpers P1-P8 on SR-35 must be in position B.

MOD-16	SR-35 Screw Terminal
TB1-1	4
TB1-2	8
TB1-8	32
To PSR-1, TB3-1, or to PS-35, TB1-5	33
To PSR-1, TB3-2, or to PS-35, TB1-6	35

*For additional information see:
SR-35 Instructions (P/N 315-087691)
PS-35 Instructions (P/N 315-085062)
PSR-1 Instructions (P/N 315-090911)