

SIEMENS

Installation Instructions

Model PM-32

Program Matrix Module

Description

The program matrix module PM-32 is designed to offer selective /multiple circuit activation from a variety of initiating circuits depending on the desired functions that are to be achieved upon system operation.

The model PM-32 provides thirty-six (36) individual diodes with separate anode and cathode terminal connections to each diode. Any combination of diode inputs and outputs may be combined together to provide the isolation or control logic required by the System 3™ Control Panel circuitry. A typical application would be the activation of audible devices on the fire floors, floor above and floor below.

The PM-32 module occupies one standard module space. Modules may be double mounted, two to a module space where necessary.

Electrical Information

Each input and output circuit is capable of carrying current of up to .5 Amp @ 30VDC. Diodes are rated at 200V peak inverse voltage).

Installation

1. Mount the module to the horizontal mounting brackets in the control enclosure.
2. Install the Model JA-5 (5 in long) bus connector cable assembly between receptacle P2 of the module and receptacle P1 of the module or control panel immediately preceding it in the bus.

Note: If the preceding module is on another row in the enclosure, a JA-24 (24 in long) bus connector cable assembly will be required.

3. Modules are to be bus-connected from right to left. For two-row enclosures, the modules in the lower row are to be connected from left to right. Succeeding rows are to be alternately connected, right to left, left to right, etc.
4. If a module is the last module in the system, install either a JS-30 (30 in long) or JS-64 (64 in long) bus connector assembly from the unused receptacle of the last module to terminal 41 of the CP-35 control panel. This completes the module supervision circuit.
5. Wire the circuit(s) as described in the CP-35 Control Panel Instruction Manual (P/N 315-085063) *Installation and Wiring*. Refer to the Wiring illustration.

Note: If a zone is not used, the EOL device should be connected to the alarm initiating circuit terminals 2 and 3 (Zone 1) or 4 and 5 (Zone 2) of the module.

6. If a supplementary relay module, annunciator, or other output module is used, then the alarm outputs, terminals 1 (Zone 1) and 6 (Zone 2), should be connected to these units.

Wiring Test

Refer to the CP-35 Control Panel Instruction Manual, *Installation and Wiring*.

Typical Wiring

