SIEMENS

Installation Instructions
Model SM-30
Switch Module

Operation

The Model SM-30 Switch Module from Siemens Industry, Inc., is designed to provide two SPDT, manually operated switches to perform a wide variety of system control functions.

Typical functions would include, but not be limited to the following:

- Audible signal silence for the system
- Audible signal silence for each individual audible circuit
- Manual activation of relays, audible signals, etc.
- System disconnect
- Zone disconnect
- Shunt type city box disconnect
- Alarm drill
- Fan relay override
- Timer, coder, or municipal tie bypass
- Extinguishing system release

In their Normal position, during system operation, the switches provide a single pole, double throw (SPDT) contact through screw terminals. The yellow LED indicators mounted on the face of the module (one for each switch) are not illuminated. When the switches are manually thrown to Operated position, the SPST contact condition is reversed, and their yellow LED indicators are illuminated. The contact rating of the switches is 0.5 amp, 30 VDC, or 120 VAC.

Circuitry is also provided within the module to indicate system trouble when a switch is in an abnormal position, if so desired.

A double pole, double throw (DPDT) switch version of the SM-30 module is available with two switches. It is available on special order. In this configuration, the LEDs and system trouble interconnects are not included.

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 on 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 terminals as shown in the Typical Wiring illustration on the back of this sheet.

Troubleshooting

If a trouble condition is indicated, check that switch(es) are in Normal position(s).

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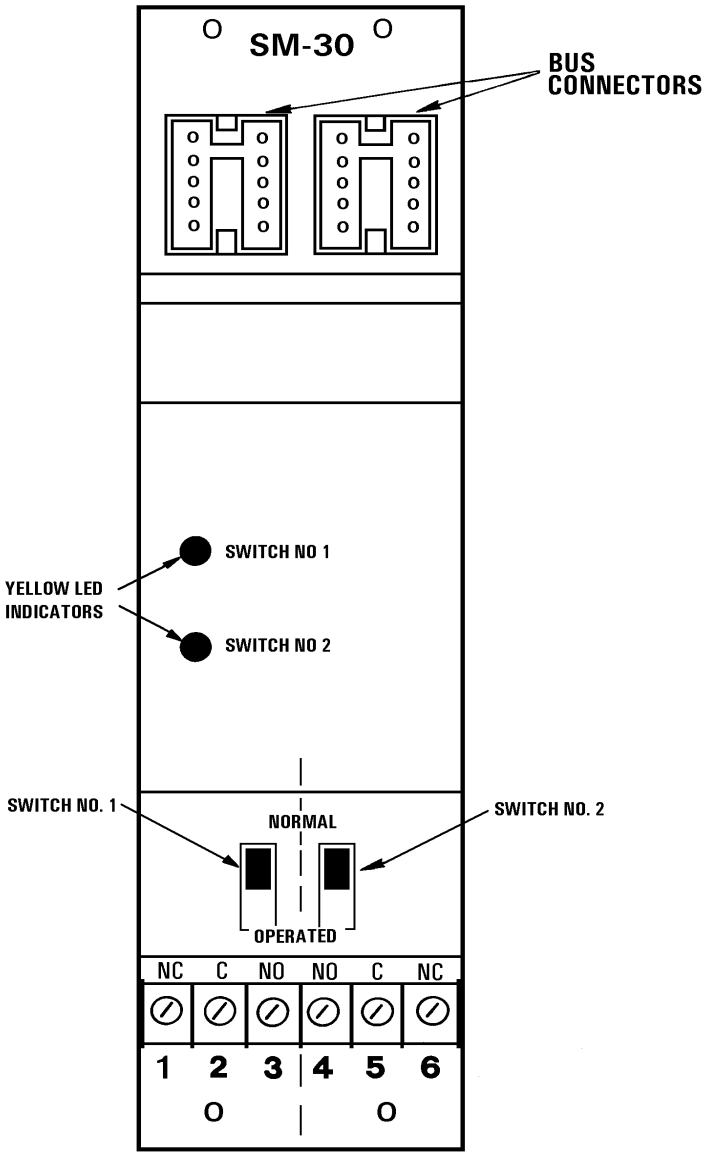
Typical Wiring



NOTE:
SWITCH CONFIGURATION SHOWN IN NORMAL POSITION.
SWITCH CONTACT RATING 120 VAC OR 30 VDC, 0.5A

MINIMUM WIRE SIZE: 20 AWG
MAXIMUM WIRE SIZE: 14 AWG

MAXIMUM OPERATING POWER: 24V @ 10mA