

DCP-SOM-A/-AI - CLASS A SUPERVISED OUTPUT MODULE



STANDARD FEATURES

- Built-in SCI circuitry (SOM-AI only)
- Flexible application
- Quick response to emergency conditions
- Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
- Contacts are rated 2.0 Amps @ 24VDC
- Programming is highly flexible providing 16 priority states plus zoning capability
- Programmed device output is turned off, silenced, or programmed to output the selected pattern
- UL 864 Listed



Specifications subject to change without notice.

SPECIFICATIONS	
Supply Voltage (S-SC)	25.3 ~ 39 VDC
Auxiliary Supply Voltage	24 VDC
Average Current Consumption SOM-AI - 420 μ A (Typical), SOM-A - 220 μ A (Typical) (on S-SC Line) Maximum 6mA: Red Alarm LED On	
Current Consumption on Auxiliary Power Lines	Typical 50 μ A
SCI On Resistance 40m ohm Max. (Normal Condition)	
SCI Fault Detection Threshold	12 volts (Typical)
SCI Isolation Current (Short Circuit Condition)	10mA (Typical)
Maximum Quantity Per Loop	127
Dimensions	4.2"W x 4.7"H x 1.4"D
Ambient Temperature	32°F (0°C) ~ 120°F (49°C)
Mounting	4" square electrical box
Maximum Output Current	2A@24VDC power limited
Relative Humidity	90% RH Non-condensing

DESCRIPTION

The Class A Supervised Output Modules (DCP-SOM-A & SOM-AI) have been designed to provide application flexibility and quick response to emergency conditions. Flexibility is provided by a wide range of operating modes, including supporting multi-zone operations, and/or functions, up to 16 different modulation patterns and multi-state programming. The operating parameters for the DCP-SOM-A & -AI are maintained by the module and do not require individual communication with the control system during emergency conditions to operate. The control panel simply broadcasts system conditions on the Signaling Line Circuit (SLC) and the DCP-SOM-A & -AI modules do the rest based upon the custom configuration. Each DCP-SOM-A & -AI provides a single Class B or Class A circuit rated for 2.0 Amps @ 24 VDC. Each DCP-SOM-A & -AI also requires a 24 VDC power source in addition to the SLC.

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ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the plans, addressable Class A Supervised Output Modules (DCP-SOM-A & -AI). The modules shall be UL listed and compatible with the fire alarm control panel. The device address shall be electrically programmable and stored in EEPROM. A bi-colored LED shall flash to indicate normal system communication.

The DCP-SOM-A & -AI shall be supplied with a plastic cover and shall be suitable for mounting to a 4" square or double gang electrical back box. The DCP-SOM-A & -AI shall provide a monitor LED that is visible from outside the cover plate.



Back side of a SOM-AI



Back side of a SOM-A

WIRING DIAGRAM

