SOM - SUPERVISED OUTPUT MODULE

SPECIFICATIONS

Supply Voltage (S-SC):	17-41 VDC
Auxiliary Supply Voltage:	18-30 VDC
Average Current Consumption:	Normal 220 µA
(on S-SC Line)	Maximum 300 µA
Current Consumption on Auxiliary Power Lines:	Typical 150 µA
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@30VDC power limited
Relative Humidity:	90% RH Non-condensing

STANDARD FEATURES

- 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 @ 30VDC.
- Programming is highly flexible providing 16 priority states plus zoning capability.

Program status:

- LED will flash red or green.
- Programmed device output is turned off, silenced, or programmed to modulate pattern.

DESCRIPTION

The Supervised Output Module (SOM), has 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 SOM 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 SOMs do the rest based upon the custom configuration. Each SOM provides a Class B Individual Circuit rated for 2.0 Amp @ 30 VDC. Each SOM also requires a 24 Volt power source in addition to the SLC. Provide software controlled LED indication: blinks green or red when polled, or can be latched on.

PRODUCT LISTINGS

Underwriters Laboratories: S5694
Underwriters Laboratories of Canada: CS943
CSFM #: 7300-0410:150
FM#: 3022559
MEA Report # 284-91-E Vol. IV

Specifications subject to change without notice.

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ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the plans, addressable Supervised Output Module (SOM). The modules shall be UL listed and compatible with Hochiki FireNET fire alarm control panel. The device address shall be electrically programmable and stored in EEPROM. A bi-colored LED shall indicate device status.
The SOM shall be supplied with a plastic cover and shall be suitable for mounting to a 4" square or double gang electrical back box. The SOM shall provide a monitor LED that is visible from outside the cover plate.

Back side of a SOM

WIRING DIAGRAM