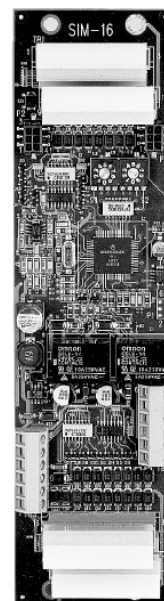


FireFinder® XLS

Supervised Input Module Model SIM-16

ARCHITECT AND ENGINEER SPECIFICATIONS

- Provides 16 general-purpose inputs for remote sub-systems' monitoring
- Each input separately programmable for supervision or no supervision
- Provides two (2) 'Form C' relays
- Input circuits are power-limited
- Mounts remotely from fire alarm control panel (FACP)
- Programmable input circuit usage (*Alarm, Trouble, Supervisory, Security, Status*)
-  UL 864 9th Edition Listed &  ULC Listed;
FM, CSFM, & NYC Fire Department Approved



Product Overview

The Supervised Input Module (Model SIM-16) is a remotely located, general-purpose input module that provides 16 input circuits for remote system monitoring. Each input can be individually programmed as supervised (dry-contact only) or unsupervised (general-purpose input.) Model SIM-16 has two (2) 'Form C' relays. The relays and inputs are programmed using the *ZEUS* custom-configuration tool.

Specifications

Model SIM-16 is mounted in an enclosure that is remotely located from the main FACP. Communication between Model SIM-16 and the Network Interface Card (Model NIC-C) is through the Control Area Network (CAN) bus. Up to 99 Model SIM-16 modules can be used with a single Model NIC-C card.

Each Model SIM-16 has two (2), 10-position rotary switches that are used to set the board address on the CAN which is a sub-address of Model NIC-C.

Additionally, each Model SIM-16 supervised input circuit can function at a maximum length of 500 feet (152.4 meters).

Every time a change of state of the input is detected, a unique, CAN message is sent to Model NIC-C. A CAN message from Model NIC-C directed to Model SIM-16 controls the 'Form C' relays.

Model SIM-16 may be installed in a Model REMBOX2 or Model REMBOX4 or in other  UL 864-Listed enclosure. If using Model REMBOX2 or Model REMBOX4, mount Model SIM-16 in one (1) module space on a Model REMBOX2-MP or Model REMBOX4-MP, via the four (4) screws provided.

Up to four (4) Model SIM-16 modules will fit in a REMBOX2, and up to eight (8) Model SIM-16 modules will fit in a given REMBOX4. Each Model SIM-16 input module fits into a single System 3™ module footprint.

Supervised Input Module 6319

Electrical Ratings

24V Current Draw: [Back Plane]	0
24V Current Draw: [Screw Terminal]	20mA + 1.2mA, Supervised Input + 20mA, active relay
6.2V Current Draw: [Back Plane]	0
24V Current Draw: [Standby]	20mA + 10mA, per: + 1.2mA, Supervised Input + 20mA, active relay

Output Power: [CAN Network Pair]	8V peak-to-peak, max.
	75mA, max. (during msg. transmission)

Details for Ordering

Model	Part Number	Description
CCL	599-634214	CAN CABLE – 3ft. (0.9m) Long, Required
SIM-16	599-034060	Supervised Input Module
REMBX2	500-633772	Small Lobby Enclosure
REMBX4	500-633914	Medium Lobby Enclosure

Temperature and Humidity Range

Products are @UL 864 9th Edition Listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.