

SA-P2OR /SA-P4LR

2 Loops / 4 Loops



OMEGA-X Addressable Fire Alarm Control Panel

Product Overview

The SA-P2OR and SA-P4LR analog addressable FACP supports 2 or 4 SLC loops for a total of 500 primary points or 800 points using subpoints. SLC loop communications uses standard twisted pair cabling, shielded cable is not necessary.

The panel may be configured with various communication cards; Communications options support central station monitoring, virtual panel, and networking. The panel can be configured as a stand alone panel with just a few devices for a small building, it can also operate as the building system and can be part of a network with a total of 64 nodes serving a multiple building campus or a very large facility.

Auto Learn capability provides a convenient method to troubleshoot new installations before final programming is loaded.

Standard Features

- UL 864 9th Edition listed.
- Multi-Loop 2 Analog Addressable Loops Field upgradable to 4.
- 126 primary points per loop.
- Powerful, network wide cause and effects (500 total) .
- Fully user programmable by point or zone.
- 800 points per panel when using devices with sub-points.
- Up to 3048 m wiring length on SLC loop.
- 64 Panels on a network.
- Programmable through a PC connection to the panel, or through keypad.
- Programmable relays - 5.
- Supervised Powered Outputs - 3.
- 4 Programmable notification appliance circuits.
- Power per NAC: 1.6 A maximum.
- Programmable outputs on SLC loop.
- Programmable Function button on front display.
- Fire Drill button on front display.
- Day and night sensitivity settings (user programmable).
- Power Supply: 5.25 A regulated & integrated.
- LCD Display: 8x40.
- Zonal Mode: Annunciation by zone w/o individual relationships.
- Panel Ring Modes: Common, Zonal, and Stage 2.
- NAC Outputs programmable.
- Continuous, March, Temporal.
- Program cause and effects AND, OR, or any two (Cross Zone).
- Battery size: Up to 17 Ah in standard enclosure; up to 52 Ah with external cabinet.
- Access levels: 3.
- Access key switch: Yes.
- Recognized for use in High Rise Buildings.
- One-man walk test - Fire Test Mode.
- Available in Red.
- IP30.

Note: Specifications are subject to change without notice

SHIELD Omega-X with eNET

- Network uses standard RS485 cabling.
- Up to 610 m between adjacent panels.
- 115 Kbps constant network speed.
- Secure, fault tolerant communication.
- Up to 64 nodes.

SHIELD Omega-X with DACT

- Dual line digital communicator & modem.
- Contact ID and SIA reporting.
- UL 864 9th edition listed.
- Zone or point reporting.
- Backup and duplicate reporting.

Technical Data

Primary AC	230 V AC @ 2 A, 50 or 60hz
Output DC	24 V DC @ 4 A
Power Supply	5.25 A Regulated and Integrated
Charger Current	1.25 A Max.
Finish (lid & box)	RAL3002 (Red) or BS00A05 (Grey)
Display	8 Line x 40 Character LCD (320 characters total)
Zones	500 Zones Per Network
SLC Loops	2 or 4 (class A or B)
Devices Per Loop	126 Sensors & Modules (800 addresses + sub addresses max. per panel)
NAC Outputs	(4) 1.6 A @ 24 V DC (class B)
Relay Outputs	(5) Form C 1 A @ 30 V DC
Voltage Outputs	(3) 500 mA @ 24 V DC, Reverse Polarity Supervised
Aux. Power	500 mA @ 24 V DC
Aux. Inputs	(3) Digital Pull Downs
Current Consumption	
SA-P20R	355 mA Standby 650 mA Alarm
SA-P4LR	455 mA Standby 765 mA Alarm
Dimensions (W x H x D)	369 mm x 610 mm x 127 mm
Weight (without batteries)	11400 g
IP Rating	30

Ordering Information

SA-P20R0	Omega-X Two Loop Panel (RED)
SA-P20G0	Omega-X Two Loop Panel (GREY)
SA-P4LR0	Omega-X Four Loop Panel (RED)
SA-P4LG0	Omega-X Four Loop Panel (GREY)
SA-P20R3	Omega-X Two Loop Panel With Printer
SA-P4LR3	Omega-X Four Loop Panel With Printer

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