

Intelligent addressable fire alarm control panel (NFPA 72)

Intelligent addressable fire alarm control panel (FACP) serves as the central control unit in modern fire alarm system. Utilizing loop wiring method where all devices are connected, the panel can identify and monitor each individual device, so to provide early warning of fire detection and fire alarm, and control other linkage fire equipment.



- Certificate: UL Listed / FM Approved
- Standard: UL 864, NFPA 72, NFPA 70
- Feature: Walk test function, positive alarm sequence (PAS) per point
- Temperature: 0°C to 49°C
- Humidity: 0% to 93%, non-condensing
- Surface: Color red or grey



Main parts and material

Enclosure	Steel cabinet, hinged inner door, outer glass door, magnetic door lock	Core component	Mother board, main board, loop board, communication board
Networking interface	Serial RS485/232, USB port, built-in BACnet, optional Modbus board for BMS connection	Other component	LCD display touch screen, optional zone control panel, optional printer
System output	Alarm, supervisory, trouble, auxiliary alarm reply, etc.	Wiring	Fire rated cable, 12 ~ 18 AWG, for SLC, NAC, 24VDC output, etc.

Available size (Source 1 with UL)

Main input power	Standby battery	SLC loop	Addressable device No.	NAC circuit	Mounting	Enclosure dimension W x H x D (mm)	Ref. No.
120 or 220 VAC	24 VDC, max 20Ah	1, class A	Max 240	2, each 1.2A, class B	Wall / flush	406 x 666 x 130	A0101 (UL)
120 or 220 VAC	24 VDC, max 20Ah	2, class A	Max 480	2, each 1.2A, class B	Wall / flush	406 x 666 x 130	A0102 (UL)
120 or 220 VAC	24 VDC, max 65Ah	2, class A	Max 484	2, total 2.5A, class B	Wall / flush	516 x 840/573 x 180	A0103 (UL)
120 or 220 VAC	24 VDC, max 65Ah	4, class A	Max 968	2, total 2.5A, class B	Wall / flush	516 x 840/573 x 180	A0104 (UL)
120 or 220 VAC	24 VDC, max 65Ah	6, class A	Max 1452	2, total 2.5A, class B	Wall / flush	516 x 840/573 x 180	A0105 (UL)

Note:

1. For main input power, it can be configured to operate at either 120VAC/60Hz or 220VAC/50Hz.
2. For secondary power supply, it is recommended to use rechargeable lead acid battery which needs to be purchased separately.

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Available size (Source 2 with UL/FM)

Main input power	Standby battery	SLC loop	Addressable device No.	NAC circuit	Mounting	Enclosure dimension W x H x D	Ref. No.
120 or 240 VAC	24VDC, max 42Ah	1, class A/B/X	Max 240	4, each 1.5A, class A/B	Wall / flush	14.5" x 26" x 4.25"	A0111 (UL/FM)
120 or 240 VAC	24VDC, max 42Ah	3, class A/B/X	Max 720	4, each 1.5A, class A/B	Wall / flush	14.5" x 26" x 4.25"	A0112 (UL/FM)
120 or 240 VAC	24VDC, max 65Ah	4, class A/B/X	Max 960	4, each 1.7A, class A/B	Flush / floor	14.5" x 26" x 4.25"	A0113 (UL/FM)
120 or 240 VAC	24VDC, max 65Ah	6, class A/B/X	Max 1440	4, each 1.7A, class A/B	Flush / floor	14.5" x 26" x 4.25"	A0114 (UL/FM)
120 or 240 VAC	24VDC, max 65Ah	8, class A/B/X	Max 1920	4, each 1.7A, class A/B	Flush / floor	14.5" x 26" x 4.25"	A0115 (UL/FM)

Note:

1. For main input power, it can be configured to operate at either 120VAC/60Hz or 240VAC/50Hz.
2. For standby battery, it is recommended to use rechargeable lead acid battery which needs to be purchased separately.