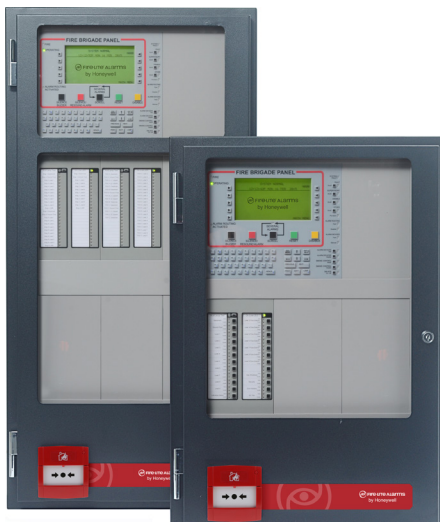




## SMX+

### Intelligent Addressable Fire Alarm Control System



**SMX+ is an intelligent Fire Alarm Control Panel designed to meet a large array of applications. The SMX+ is best suited for small to mid-sized installations in a commercial or residential environment:**

- Proven, reliable and efficient intelligent Fire Alarm control panel created to address needs installer and end-users.
- Flexible and scalable architecture which makes it suitable small and mid-sized networked facilities
- Extensive list of compelling features. With one to four Signaling Line Circuits (SLCs), the SMX+ supports up to 792 intelligent addressable devices per panel and is capable of networking up to 16 nodes.
- Connectivity with BACnet and Modbus permits SMX+ to integrate into 3rd party / Security / Building Management System.
- Integration with CLSS Gateway enables customers to deliver an enhanced fire safety service, while maximising the performance efficiencies by Honeywell's Connected Life Safety Services (CLSS)

### Features and Benefits

- One to Four isolated intelligent Signaling Line Circuits
- Up to CLIP 99 detectors and 99 CLIP modules per SLC, 198 devices per loop / 792 per FACP (or network node)
- Detectors can be any mix of photo, thermal, multi-criteria modules can be addressable manual call points, normally open contact devices, two-wire smoke detectors, notification and relay
- Large 640-character LCD backlit display
- Network up to 16 SMX+ nodes
- SMX+ Tools for online/offline program, test and reporting PC software.
- Weekly Occupancy Schedules allow changing sensitivity by time of day and day of week
- With built-in SLC Local mode operation; the system is capable of activating sounders and relays if a fire alarm condition is present even if the central processing unit (CPU) fails
- Range of annunciators for ancillary display & control
- History file with 4000-event capacity plus separate 1000-event alarm-only file
- Advanced history filters allow sorting by event, time, date, or address
- Alarm Verification Facility (AVF) selection per point, with automatic counter
- Enable / Disable Range of Points (Detectors/ Modules) or Zones
- Auto-programming and Walk Test reports
- Alarm Delay Facility (ADF)
- Field-programmable on panel with QWERTY keypad
- Non-alarm points for lower priority functions
- Support for compliant smoke control with SCS Series smoke control system

## Features and Benefits

- Polls up to 198 devices on each loop
- Activates up to 99 outputs in less than ten seconds
- Compatible with System Sensor CLIP detectors
- Fire-Lite VeriFire Tools for programming the SMX+ panel
- Manual sensitivity adjustment
- Password protected and selectable access levels
- Drift compensation
- Automatic detector sensitivity testing
- Maintenance alert (two levels)
- Self-optimizing pre-alarm
- Programmable activation of sounder/relay bases during alarm or pre-alarm
- Read Status displays the level of detector cleanliness

## SMX+

Intelligent Addressable Fire Alarm Control System

## Product line information

ITEM	DESCRIPTION
<b>Main System Components</b>	
<b>CPU2-SMX+</b>	SMX+ central processing unit including display
<b>DISP-SMX+</b>	Keypad and display; includes 640-character backlit LCD display, QWERTY programming, and control keypad.
<b>NPS-5CHS/NPS-11CHS</b>	24VDC power supply unit for SMX+
<b>ELCM-320</b>	Loop Control Module. Provides one SLC. SMX+ supports up to two ELCM-320s and two LEM-320 expanders for a total of four SLCs.
<b>LEM-320</b>	Loop Expander Module. Expands an ELCM-320.
<b>Networking Options</b>	
<b>SMX+NCA-2</b>	<ul style="list-style-type: none"> <li>• Network Control Annunciator, CPU ONLY.</li> <li>• An alternate primary display for CPU2-SMX+ can be provided by the SMX+NCA-2. On network systems, the NCA-2 connects to a standard NCM or HS-NCM.</li> <li>• Note: DISP-SMX+ display needs to be used along with SMX+NCA-2</li> </ul>
<b>NCM-W, NCM-F</b>	Standard Network Communications Modules. Wire and multi-mode fiber versions available.
<b>High Speed NCM - MF/SF/WMF (-2)/WSF (-2)/ MFSF</b>	Wire, single-mode fiber, multi-mode fiber, and media conversion models are available.
<b>RPT-W, RPT-F, RPT-WF</b>	Standard-network repeater board with wire connection (RPT-W), multi-mode fiber connection (RPT-F), or allowing a change in media type between wire and fiber (RPT-WF). Not used with high-speed networks.
<b>Auxiliary Power Supplies and Batteries</b>	
<b>NPS-5CHS</b>	One optional for each SMX+. Power supply and battery charger with two 24 VDC outputs up to 5A output total. Charges 7 to 50 AH batteries. Auxiliary power for panel or panel equipment.
<b>NPS-11CHS</b>	One optional for each SMX+. Power supply and battery charger with two 24 VDC outputs up to 11A output total. Charges 7 to 110 AH batteries. Auxiliary power for panel or panel equipment.
<b>Audio Options</b>	
<b>DA2-30/DA2-60/DA2-120</b>	Digital Amplifier. DA2-30 is 30 watts, DA2-60 is 60 watts, DA2-120 is 120 watts, 100 Vrms. Includes audio input and amplified output supervision.
<b>SAM-4</b>	4 way Speaker Line Monitoring and distribution module for use with DA2 series amplifiers
<b>Compatible Devices, EIA-485 Ports</b>	
<b>ACM-24AT-AUS</b>	Annunciator Control 24 buttons, 48 LEDs
<b>AEM-24AT-AUS</b>	Annunciator Expander 24 buttons, 48 LEDs
<b>ACM-48A-AUS</b>	Annunciator Control, 48 LEDs, to suit SMX+/NCA-2
<b>AEM-48A-AUS</b>	Annunciator Expander, 48 LEDs, to suit SMX+/NCA-2
<b>ACM-8RA</b>	Eight Programmable Timed Relay Module.
<b>LCD2-80-AUS</b>	LCD Annunciator (80 Character), to suit SMX+/NCA-2
<b>LDM-E32-AUS</b>	Lamp Driver Module (Expander), 32 LEDs or LDM-R32
<b>LDM-32-AUS</b>	Lamp Driver Module (Control), 32 LEDs or LDM-R32
<b>LDM-R32-AUS</b>	Lamp Driver Relay Kit, 32 Relay board, requires LDM-32
<b>SCS-8A</b>	Smoke Control Annunciator (Control) 8 x switch groups
<b>SCE-8A</b>	Smoke Control Annunciator (Expander) 8 x switch groups
<b>SCS-8L</b>	Smoke Control Lamp Driver Kit 8 x switch groups
<b>SCE-8L</b>	Smoke Control Lamp Driver (Expander) to suit SMX+

## Product line information continue

ITEM	DESCRIPTION
<b>Compatible Intelligent Devices</b>	
<b>BEAM1224<sup>1</sup></b>	Intelligent beam smoke detector.
<b>BEAM1224S<sup>1</sup></b>	Intelligent beam smoke detector with integral sensitivity test.
<b>OSI-RI-SS</b>	Intelligent OSID - Imaging BEAM Smoke Detector
<b>5251B-WP</b>	System Sensor CLIP Type B sealed thermal detector 57°C.
<b>5251RB-WP</b>	System Sensor CLIP Type A sealed thermal detector 57°C with rate-of-rise
<b>2251BAUS</b>	System Sensor CLIP photoelectric detector.
<b>5251BAUS</b>	System Sensor CLIP Type B thermal detector 57°C.
<b>5251RBAUS</b>	System Sensor CLIP Type A thermal detector 57°C with rate-of-rise.
<b>DNR-AUS</b>	InnovairFlex low-flow non-relay duct-detector housing (order photoelectric sensor sold separately).
<b>DNRW</b>	Same as above with NEMA-4 rating, watertight.
<b>2351BAUS</b>	Intelligent Photo-Optical Smoke Detector, System Sensor
<b>2351TBAUS</b>	Intelligent Photo-Optical & Thermal Detector, System Sensor
<b>2351PTIRAUS</b>	Intelligent Photo, Thermal and IR Multi-Criteria Detector, System Sensor
<b>5351BAUS</b>	Intelligent Fixed Temperature Thermal detector, System Sensor
<b>5351RBAUS</b>	Intelligent Rate-of-Rise Thermal detector, System Sensor
<b>5351HAUS</b>	Intelligent High Temperature Fixed Thermal detector, System Sensor
<b>7351AUS</b>	Intelligent High Sensitivity Detector, System Sensor
<b>B501AUS-IV</b>	4" (10.16 cm) universal detector base, off-white.
<b>B501AUS-W</b>	4" (10.16 cm) universal detector base, pure white.
<b>B521IEFT-IV</b>	4" (10.16 cm) universal detector base with in-built short-circuit isolator, off-white.
<b>B501BI-W / IV/ BL</b>	4" (10.16 cm) universal detector base with in-built short-circuit isolator, white. Ivory, Black
<b>AAM/LP/HL</b>	Alarm Acknowledgement Module, HL, w.LED horizontal orientation
<b>AAM/LP/V</b>	Alarm Acknowledgement Module, V, no LED vertical orientation
<b>AAM/LP/VL</b>	Alarm Acknowledgement Module, V, w.LED vertical orientation
<b>B501AP-IV</b>	Plug in base off white colour for AV series
<b>M500M</b>	System Sensor CLIP monitor module.
<b>M500X</b>	Isolator module.
<b>SC-6</b>	System Sensor CLIP six-way monitored control module.
<b>CZ-6</b>	Six-zone interface module; connects intelligent alarm system to two-wire conventional detection zone.
<b>CR-6</b>	System Sensor CLIP six-relay (Form-C) control module.
<b>IM-10</b>	System Sensor CLIP ten-input monitor module.
<b>M502M</b>	System Sensor CLIP conventional zone module.
<b>M501M</b>	System Sensor CLIP miniature monitor module.
<b>M500R</b>	System Sensor CLIP relay/control module.
<b>M500S</b>	System Sensor CLIP single intelligent control module.
<b>M500DMR</b>	System Sensor CLIP dual monitor/dual relay module.
<b>Audio Visual Alarm Devices (AAD &amp; VAD's)</b>	
<b>WSO-PP-N46</b>	Addressable Wall Sounder - White, System Sensor, CLIP
<b>WSO-PR-N46</b>	Addressable Wall Sounder - Red, System Sensor, CLIP
<b>VAD-PC-I00</b>	SS Pure White Clear Strobe "w Isolator, AS7240.23 (C-3-5.1)
<b>WSS-PC-I01</b>	HON Pure White Sounder StrobevClear w Isolator, AS7240.23 O Category
<b>BSO-LASS-NCW</b>	Addressable Sounder Base - Pure white, System Sensor, CLIP (requires B501-W base)
<b>Addressable Manual Call Point (MCP)</b>	
<b>M5A-RP01SF-K013-01</b>	Address Clip Indoor MCP b/b House&Flame with flexible element, requires clear flap and back box.
<b>W5A-RP01SG-K013-01</b>	Red CLIP MCP surface, IP67, House+Flame requires SR, c/w flex-element, clear flap
<b>Conventional Manual Call Point (MCP)</b>	
<b>M1A-R470SG-STCK-01</b>	Red surfacemount MCP, House + Flame, back box included
<b>M3A-R000SF-STCK-01</b>	Red resettable surfacemount MCP

<sup>1</sup>Legacy device



# SMX+

Intelligent Addressable Fire Alarm Control System

## Product Line Information

ITEM	DESCRIPTION
<b>Enclosures, Chassis and Dress Plates</b>	
<b>CAB Series Enclosures</b>	SMX+ mounts in a standard CAB Series enclosure (available in two sizes, CAB650 and CAB900). The CAB series enclosures are available with a solid and window outer door. A trim ring option is available for semi-flush mounting.
<b>BMP-1</b>	Blank module for unused module positions.
<b>CHS-3L</b>	Low-profile Chassis. Mounts up to three modules in any CAB series row.
<b>CHS-4</b>	Chassis used with the SC6, CR6 and IM10 Multi-Modules. Mounts up to four modules in any CAB series row.
<b>Other Options</b>	
<b>ARM-AUS</b>	Agent releasing module for extinguishing agent releasing CIE
<b>System Capacity</b>	
<b>Intelligent Signalling Line Circuits</b>	1 expandable to 4
<b>Intelligent detectors</b>	99 per SLC (CLIP protocol)
<b>Addressable monitor/control modules</b>	99 per SLC (CLIP protocol)
<b>Programmable software zones</b>	Over 2000
<b>ACS annunciators per CPU</b>	32 address x 64 or 96 points
<b>LCD Mimic per CPU</b>	Terminal and ACS mode. 80-character, backlit LCD display. Mounts up to 1800mm from panel. Up to 32 per FACP
<b>Electrical Specifications</b>	
<b>Primary Input Power</b>	<ul style="list-style-type: none"><li>NPS-5CHS Fitted: 240vac, 0.8A, 50Hz.</li><li>NPS-11CHS Fitted: 240vac, 1.5A, 50Hz.</li><li>Input Fuse: 2=M205 8.0A, 250vac</li></ul>
<b>Battery</b>	Two 12V Sealed Lead-Acid batteries.
<b>Battery charger capacity</b>	7AH-85AH (CAB650/CAB900 enclosures hold a maximum of two 33AH batteries)
<b>Current draw (Standby/Alarm)</b>	<ul style="list-style-type: none"><li>SMX+: 0.205 A / 0.225 A.</li><li>LCM-320: 0.130 A.</li><li>LEM-320: 0.100 A.</li></ul>
<b>Enclosure Specifications</b>	
<b>CAB650</b>	650mm(h) x 450mm(w) x 190mm(d), Charcoal texture
<b>CAB900</b>	900mm(h) x 450mm(w) x 190mm(d), Charcoal texture
<b>Temperature and Humidity</b>	
<b>Temperature</b>	This system meets AS requirements for operation at 0 – 40°C
<b>Humidity</b>	Relative humidity 93% ± 2%.

NOTE: For other options including compatibility with retrofit equipment refer to the SMX+ Installation manual

•See SMX+ Manual for a complete current draw calculation sheet and details of input and output values.

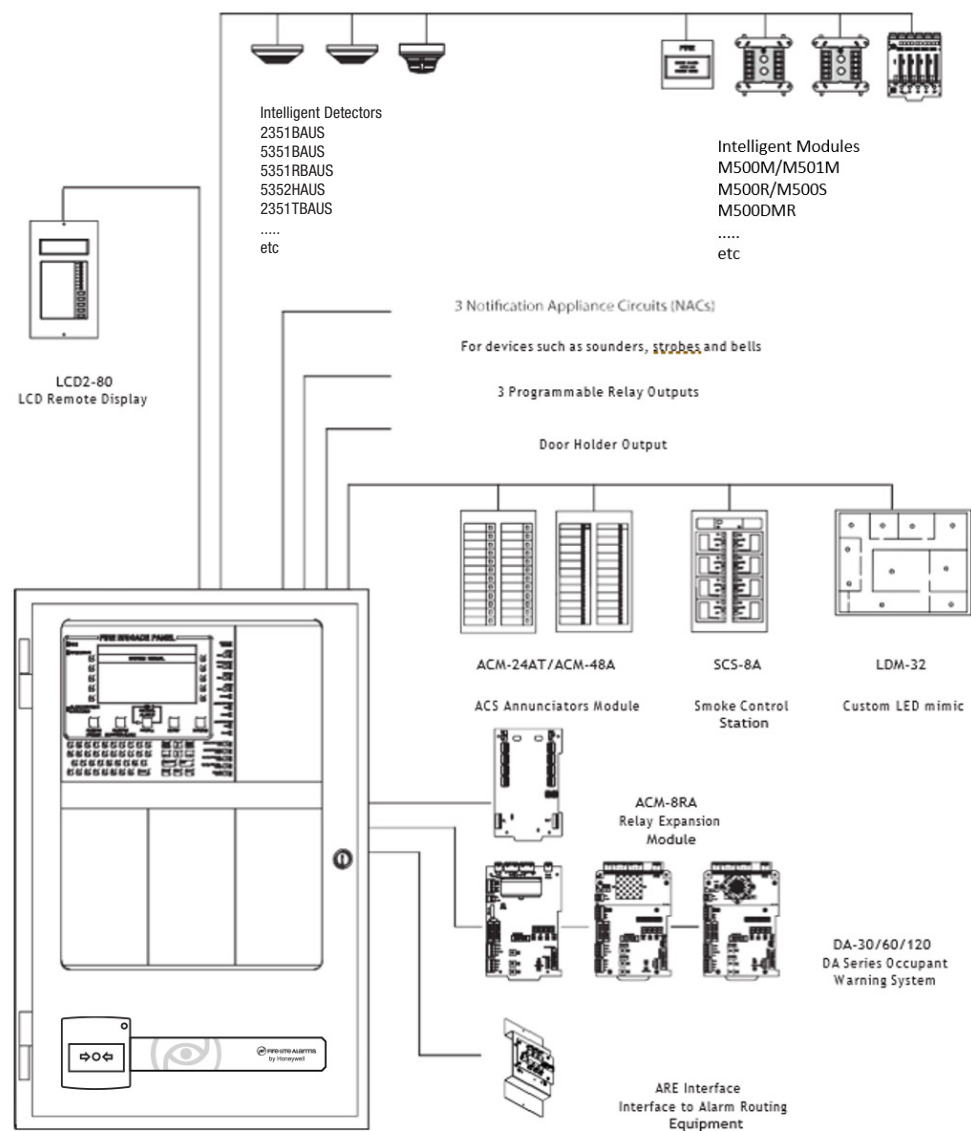
## Agency listings and approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process.

Consult system consultant for latest listing status.

AS 7240.2, AS 7240.4, AS 4428.3

Activfire certificate # afp-3656



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