

XLS4000

Intelligent Fire Alarm Control Panel

The Honeywell XLS4000 is an intelligent fire alarm control panel designed for small- to large-scale facilities.

XLS4000 Fire Alarm Control Panels (FACPs) bring the latest technology to life safety. Fire emergency detection and evacuation are extremely critical to life safety. With the XLS4000, Honeywell offers a scalable platform to meet any size application.

XLS4000 features an intuitive 10" color touchscreen display. This display is color coded with system and status information. Users are presented with vital information that is easy to read and navigate.

Offered in a standard preconfigured enclosure, the XLS4000 comes with one Signaling Line Module (SLM-318) to support 318 intelligent addressable devices and a power supply (PMB-AUX) to support four NACs and two auxiliary outputs. Panels can be configured with just a few devices for small building applications or expanded via two open module slots. Add up to two additional SLM-318's expanding capacity to 954 intelligent addressable devices on a total of three Signaling Line Circuit (SLC) loops, or network with many devices to protect a large campus or a high-rise office block. Simply add additional peripheral equipment to suit the application.

The XLS4000 also features a modular design. Order XLS4K, XLS4K-CPU-ND, XLS4K-CPU-LD, or XLS4K-CPU-RTO to meet project requirements. Panels can be configured for stand-alone or network systems. The XLS4000 can support up to 10 SLM-318 modules, for a capacity of up to 3,180 intelligent addressable devices. Five enclosure sizes are available to support additional peripheral equipment. A host of other options are available, including single or multichannel integrated voice, and firefighter's telephone.

The XLS4000 integrates with the Connected Life Safety Services (CLSS) platform through the CLSS Gateway, providing connectivity to central station, cloud, and mobile applications. (See HON-62034.) This cloud-based functionality provides remote programming, testing, and diagnostic monitoring of the system, along with reduced manual data entry and reporting. Use CLSS to access licensable panel features, VeriFire® Tools, workstation licenses, and more.



*XLS4000, shown with
ACM-30 annunciators
in a "B" size cabinet*

FEATURES AND BENEFITS

- 10" high definition touchscreen display with customizable buttons
- 6.0 A power supply with customizable outputs (see HON-62116) and easy expansion to three power supplies
 - Two auxiliary outputs configurable for resettable or non-resettable operation (Class B and Class A/B)
 - Four Class A/B power outputs that can be configured as Class A/B Notification Appliance Circuits (NACs), power circuit, door holder circuit, or Universal Zone Coding circuit (UZO licenseable option)
 - NACs support selectable System Sensor, Wheelock, and Gentex strobe synchronization
 - NACs support up to 3 patterns of output to allow dynamic signaling based on system events: Temp-3 (Fire), Temp-4 (CO), two-stage evacuation, selective silence
- Easy expansion of isolated intelligent Signaling Line Circuit (SLC) capacity
 - One expandable to three on XLS4K (three cards in the cabinet)
 - One expandable to ten on XLS4K-CPU-LD, XLS4K-CPU-ND, XLS4K-CPU-RTO
- Easy expansion of XLS4K power capacity (one expandable to three PMB-AUX power supplies)
- Wireless fire protection using SWIFT® Smart Wireless Integrated Fire Technology (see 74-5175)
- One to ten isolated intelligent Signaling Line Circuit (SLC) loops; each loop supports up to 159 detectors and 159 modules, to 3,180 per FACP or network node
 - Detectors can be any mix of photo, thermal, or multi-sensor
 - Modules include addressable pull stations, normally open contact devices, two-wire smoke detectors, notification, or relay; wireless modules are available for use with the XLS-WSG
- Wireless detectors and modules are available for use with the SWIFT® Wireless Gateway (XLS-WSG)
- Self-Test detector technology (see HON-62046)
- Network options:
 - High-speed network for up to 200 nodes
 - Standard network for up to 103 nodes, with up to 54 nodes when XLS-DVC-EM is used in network paging
- Network Display Mode (licenseable feature) allows the panel to act as a network display node, making the XLS-NCD optional
- Emergency voice options available (integrated digital voice or sidetalk audio)
- Weekly Occupancy Schedules allow changing sensitivity by time of day and day of week

Honeywell

- History buffer (10,000 events, 3000 displayed) and advanced history filters for custom sorting: all events, alarms only, troubles only, supervisory only, other security events, time/date interval, and point range
- Alarm Verification selection per point, with automatic counter
- Color coded icon-based event notification
- Event filtering to quickly view event groups
- On site or remote graphical monitoring via LAN or Internet connection with CLSS Horizon (see HON-62125)
- Monitor multiple buildings through one off-campus central station, and report through the CLSS Gateway
- Supports dual telephone line communication to central receiving station using Ademco® Contact ID communication format with optional DS dialer.
- With the CLIP license added to the panel, each loop may be programmed to have all detectors and modules on the SLC to be FLASHSCAN or all detectors and modules on the SLC to be CLIP or all detectors as FLASHSCAN and all modules as CLIP or all detectors as CLIP and modules as FLASHSCAN
- Optional cloud connectivity for remote off site monitoring and reporting through the CLSS Gateway (see HON-62034).
- Optional remote programming through CLSS
- Field programmable with VeriFire Tools
- Silence Inhibit and Auto Silence timer options
- Non-alarm points for lower priority functions
- Up to 2000 powerful Boolean logic equations
- Supplemental EIA-232 printer port
- Internal and external connectors for AIO Bus devices
- External AIO Bus supports Class A (200ft on 16AWG) or Class B (6000ft at 16AWG). With Panel or XLS-NCD version V8.0 or above, the Internal AIO bus also supports Class B (6000ft at 16AWG) wiring. Any mix of ACM-30, XLS-RLD, LDM2-32/60, TM-8 may be added to the internal and/or external bus.

ADDITIONAL SYSTEM OPTIONS

CLSS GATEWAY ADDS LICENSEABLE FEATURES

- Expanded functionality from a Basic (out of box) to Expanded persona. Basic persona on the XLS4K, XLS4K-CPU-ND, XLS4K-CPU-LD, XLS4K-CPU-RTO supports up to 3 loops & comes with 1 power supply, 100 general zones, 50 logic zones and up to 2 additional nodes without network display license. Expanded persona (activated with XLS4K-XUPG license) enables support up to 10 loops, up to 3 power supplies, 250 GZ and 250 LZ and up to 2 additional nodes without network display license)
- Expanded general zones (250 zones included, expandable up to 2000 zones in increments of 250)
- Expanded logic zones (50 zones included in Basic persona, 250 zones included in Expanded persona, both expandable up to 2000 zones in increments of 50 or 250)
- Universal Zone Coding (UZY)
- Network display mode enables XLS4000 to emulate the XLS-NCD's full network display capabilities
- Expanded custom action buttons (8 buttons included, expandable up to 32 buttons, in increments of 8)
- CLIP mode
- Agent releasing: Basic persona can expand to 10 zones in multiples of 10. Expanded persona can expand to 50 zones in multiples of 10
- Water releasing: Basic persona can expand to 10 zones in multiples of 10. Expanded persona can expand to 100 zones in multiples of 10

SWIFT WIRELESS

- Self-healing mesh wireless protocol
- Each SWIFT Gateway supports up to 49 devices
- Up to 4 wireless gateways can be installed with overlapping network coverage

AGENT AND WATER RELEASING FEATURES

- Releasing using TC810S1000
- Up to 50 agent releasing zones (One time activation license in multiples of 10)
- Up to 100 water releasing zones (One time activation license in multiples of 10)
- Sophisticated cross-zone (4 options)
- Delay timer and Discharge timers (adjustable)
- Abort (five options)

VOICE AND TELEPHONE FEATURES

- Up to eight channels of digital audio
- 35 watt, 50 watt, 75 watt, and 100/125 watt digital amplifiers (DAA2/DAX series, DAA series, and DS series)
- Solid state message generation
- Hard-wired voice control module options
- Firefighter telephone option
- 30- to 120-watt analog amplifiers (AA Series)
- Backup tone generator and amplifier option

INDUSTRY LEADING DETECTOR DESIGNS

- Addressable detectors available for photo, heat, CO, IR, and combinations
- Color kits available for aesthetic use
- First UL-listed self-testing detectors available in photo, heat, and photo/heat models
- Single-ended beam smoke detectors
- Wireless detectors for use with SWIFT Wireless Gateway

FLASHSCAN® INTELLIGENT FEATURES

- Polls up to 318 devices on each loop in less than two seconds
- Activates up to 159 outputs in less than five seconds
- Fully digital, high-precision protocol (U.S. Patent 5,539,389)
- Manual sensitivity adjustment — up to nine levels
- Pre-alarm intelligent sensing — up to nine levels
- Sensitivity levels:
 - Photo:** 0.5 to 2.35%/foot obscuration
 - High-Sensitivity Photoelectric (VIEW®):** Open Air Protection (0.5% - 2.0%/ft. obscuration), Special Applications (0.02%-0.5%/ft. obscuration)
 - Multi-Criteria Detector:** Open Air Protection (2.52-3.89%/ft. obscuration), Special Applications (1.13-2.52%/ft. obscuration)
 - Acclimate® Plus:** 0.5 to 4.0%/foot obscuration
- Drift compensation (U.S. Patent 5,764,142)
- Multi-detector algorithm involves nearby detectors in alarm decision (U.S. Patent 5,627,515)
- Automatic detector sensitivity testing (NFPA-72 compliant)
- Maintenance alert (two levels)
- Self-optimizing pre-alarm
- Programmable activation of sounder/relay bases during alarm or pre-alarm

FLASHSCAN® EXCLUSIVE WORLD-LEADING DETECTOR PROTOCOL

At the heart of the XLS4000 panel series is a set of detection devices and device protocol — FlashScan. FlashScan is an all-digital protocol that gives superior precision and high noise immunity.

This protocol enables quick identification of an active input device, as well as activation of many output devices in a fraction of the time required by competitive protocols. The high speed also gives XLS4000 the largest device per loop capacity in the industry – 318 points – yet every input and output device is sampled in less than two seconds. The microprocessor-based FlashScan detectors have bicolor LEDs that can be coded to provide diagnostic information.

INTELLIGENT SENSING

XLS4000 has a set of software algorithms that provide industry-leading smoke detection capability. These complex algorithms process many calculations on each reading of each detector, and are made possible by the high-speed microcomputer used by the XLS4000.

Drift Compensation and Smoothing. Drift compensation allows the detector to retain its original ability to detect actual smoke, and resist false alarms, even as dirt accumulates. It reduces maintenance requirements by allowing the system to automatically perform the periodic sensitivity measurements required by NFPA 72. Smoothing filters are also provided by software to remove transient noise signals, usually caused by electrical interference.

Maintenance Warnings. When the drift compensation performed for a detector reaches a certain level, the performance of the detector may be compromised, and special warnings are given. There are three warning levels: (1) Low Chamber value; (2) Maintenance Alert, indicative of dust accumulation that is near but below the allowed limit; (3) Maintenance Urgent, indicative of dust accumulation above the allowed limit.

Sensitivity Adjust. Nine sensitivity levels are provided for alarm detection. These levels can be set manually, or can change automatically between day and night. Nine levels of pre-alarm sensitivity can also be selected, based on predetermined levels of alarm. Pre-alarm operation can be latching or self-restoring, and can be used to activate special control functions.

Self-Optimizing Pre-Alarm. Each detector may be set for “Self-Optimizing” pre-alarm. In this special mode, the detector “learns” its normal environment, measuring the peak analog readings over a long period of time, and setting the pre-alarm level just above these normal peaks.

Cooperating Multi-Detector Sensing. A patented feature of intelligent sensing is the ability of a smoke sensor to consider readings from nearby sensors in making alarm or pre-alarm decisions. Without statistical sacrifice in the ability to resist false alarms, it allows a sensor to increase its sensitivity to actual smoke by a factor of almost two to one.

FIELD PROGRAMMING OPTIONS

Autoprogram is a timesaving feature. The FACP “learns” what devices are physically connected and automatically loads them in the program with default values for all parameters. Requiring less than one minute to run, this routine allows the user to have almost immediate fire protection in a new installation, even if only a portion of the detectors are installed.

VeriFire® Tools is an offline programming and test utility that can greatly reduce installation programming time, and increase confidence in the site-specific software. It is Windows® based and provides technologically advanced capabilities to aid the installer. The installer may create the entire program for the XLS4000 in the comfort of the office, test it, store a backup file, then bring it to the site and download from a laptop into the panel.

PRODUCT LINE INFORMATION

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CONFIGURATION GUIDELINES

Stand-alone and network systems require a main display. The main display must be either XLS-NCD, Fire System Manager or one panel in the network with Network Display mode enabled.

MAIN SYSTEM COMPONENTS

XLS4K: XLS4000 with display. Intelligent fire alarm with one SLC loop, 10" touchscreen display, 4 NACs, power supply, and enclosure.

XLS4K-CPU-LD: XLS4000 with display. Intelligent fire alarm with one SLC loop, 10" touchscreen display, 4 NACs, and power supply; chassis mounted for use in a CAB-5 Series cabinet. /Requires DP-T2A to mount the display. Ships from the factory with a Basic persona, can be converted to Expanded persona by adding a one time license XLS4K-XUPG.

XLS4K-CPU-ND: XLS4000 without display, for use as network node. Intelligent fire alarm with one SLC loop, 4 NACs, and power supply; chassis mounted for use in a CAB-5 Series cabinet. Ships from the factory with a Basic persona, can be converted to Expanded persona by adding a one time license XLS4K-XUPG.

XLS4K-CPU-RTO: XLS4000 with display for use in retrofit cabinets. Intelligent fire alarm with one SLC loop, 10" touchscreen display, 4 NACs, and power supply; chassis mounted for use in a CAB-4 Series cabinet. Requires DP-T2A-CB4 to mount the display. Ships from the factory with a Basic persona, can be converted to Expanded persona by adding a one time license XLS4K-XUPG

XLS4K-CPU: Replacement board with central processing unit.

XLS-NCD-CPU-RB: XLS-NCD Replacement Board.

DIS-10-RD: Replacement touchscreen.

SLM-318: Signaling Line Module provides a Signaling Line Circuit of 159 detectors and 159 modules. Add SLM-318 units to expand SLC capability. See HON-62115.

NETWORKING OPTIONS

XLS-NCD: Network Control Display. On network systems (two or more networked fire panel nodes), one network display is required for every system (either **XLS-NCD** or XLS4000 with Network Display mode enabled). On network systems, the NCD connects (and requires) a standard Network Communication module or High-Speed Network Communication Module. See HON-60974.

NCM-W, NCM-F: Network Communications Modules. Wire and multi-mode fiber versions available. One required for each network node on XLS-NET. Mounts in a standard chassis position or on a BMP-1 plate. See 85-3007.

HS-NCM-W-2, HS-NCM-MF, HS-NCM-SF, HS-NCM-WMF-2, HS-NCM-WSF-2, HS-NCM-MFSF: High-speed Network Communications Modules that can connect to two nodes. Wire, single-mode fiber, multi-mode fiber, and media conversion models are available. See 74-4082.

RPT-W, RPT-F, RPT-WF: 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. See 85-3007.

Fire System Manager. UL-listed graphics PC workstation, ONYXWorks GUI software, and computer hardware. See DO-60639 for specific part numbers.

VESDA-HLI-GW: VESDAnet high-level interface gateway. See HON-60753.

AUXILIARY POWER SUPPLIES AND BATTERIES

PMB-AUX: Auxiliary power supply, 6 amps, universal AC input, 4 NACs and 2 Auxiliary outputs, chassis-mounted for use in a CAB-5 Series cabinet. Charges 7-100AH batteries. See HON-62116.

PMB-AUX-RTO: Auxiliary power supply, 6 amps, universal AC input, 4 NACs and 2 Auxiliary outputs, chassis-mounted for use in a CAB-4 Series cabinet. Charges 7-100AH batteries. See HON-62116.

HPF-PS: PS Series™ Remote 6A/10A power supply with battery charger. See DH-61094.

BAT Series: Sealed lead-acid batteries listed for fire-protective service. (Required.) See 85-3072.

OPTIONAL EQUIPMENT

XLS-DVC-EM: Digital Voice Command, digital audio processor with message storage for up to 32 minutes of standard quality (4 minutes at high quality) digital audio. See 74-4033 for system specifications and mounting hardware.

PRN-7: 80-column printer. See 74-5186.

ACM-30: Fully-customizable annunciator. Independently-configured buttons with up to 60 points of annunciation. LEDs can be programmed to activate in red, green, yellow, white, amber, blue, cyan or purple. Up to 80 annunciators per FACP. See HON-62114 for system specifications and mounting hardware.

XLS-RLD: Provides the XLS4000 with up to five remote, serially-connected remote displays. See HON-62122.

LDM2-32. Lamp driver Module for use with remote custom graphics provides 32 LED driver outputs (lamp-driver transistors sink to power common on alarm) and 10 switch inputs (one pre-configured for lamp test input). Designed to support retrofits such that output connectors, power, security key switch and lamp test connectors are all pin for pin compatible with legacy LDM-32. Connects to the panel via the AIO bus and may be set up as a router or a peripheral. Integral piezo sounds for each new alarm or trouble and is silenced with the Local Acknowledge switch, or may be permanently disabled with a dip switch selection. It also offers the option of an external piezo. See DN-0552.

LDM2-60. Lamp driver Module for use with remote custom graphics provides 60 LED driver outputs and 21 switch inputs (one pre-configured for lamp test input) Connects to the panel via the AIO bus and may be set up as a router or a peripheral. See DN-0552.

TM-8. Panel module offers 8 programmable Form-C relays (4 low current 2A, 4 higher current 10A) and also provides either a remote station service with three reverse polarity outputs that communicate alarm, trouble, supervisory messages from the FACP or a municipal box connection that would trip a local energy municipal box. Can be located up to 6000ft from panel on RS485 bus. See DN-6863.

AIO-CBL: Cable kit that includes 48" preconfigured cables that can be used to connect AIO bus devices (ACM-30, LDM2-32, LDM2-60, TM-8) set as peripherals from one row to an adjacent row. It also includes 4 interconnect cables for connecting AIO bus devices in a row.

LDM-CBL24, LDM-CBL48: Ribbon cable sets to provide either a 24" (60.96cm) or 48" (121.96cm) connection between LDM2-32 LDM2-60 and LEDs or lamps on a custom graphic panel. Includes all cables necessary for one LDM2-32. LDM2-60 will need two cable sets. Cables have connector on one end only (split, strip, and connect other end to graphic annunciator).

COMPATIBLE INTELLIGENT DEVICES

TC806B3010-ST: White, low-profile intelligent self-testing photoelectric sensor, FlashScan only. See HON-62046.

TC806B3104-ST: White, same as TC806B3010-ST but includes a built-in 135°F (57°C) fixed-temperature thermal device, FlashScan only. See HON-62046.

TC808C1001-ST: White, low-profile intelligent self-testing, configurable operation thermal sensor. Panel-programming can set the device to operate as either a 135°F fixed temperature sensor, a rate of rise and 135°F fixed temperature sensor, or a 190°F high temperature sensor. FlashScan only. See HON-62046.

TC840C3206(-IV): FlashScan, Addressable intelligent multi-criteria smoke sensors, photo, carbon monoxide, fixed temperature heat detector, and infra-red (IR). See 74-5222.

TC806C3022: FlashScan, Combined photoelectric and carbon monoxide sensor. 74-5230.

XLS-WSG Wireless SWIFT Gateway: Addressable gateway supports wireless SLC devices. See 74-5175.

TC806C3011. FlashScan, Addressable carbon monoxide sensor. See 74-5229.

TC840M3021(-IV): Addressable intelligent multi-criteria photoelectric, thermal, and IR sensors. FlashScan. See 74-5221.

TC847XR1001: Addressable intelligent single-ended beam smoke detector. 74-5208.

TC806B3010: White, low-profile intelligent photoelectric sensor, FlashScan only. 74-5200

TC806B3010-IV: Ivory version of TC806B3010 that supports FlashScan and CLIP.

TC806B3104: White, same as TC806B3010 but includes a built-in 135°F (57°C) fixed-temperature thermal device. FlashScan only. See 74-5200

TC806B3104-IV: Ivory version of TC806B3104 that supports FlashScan and CLIP.

TC806DNR3000: White, low-profile intelligent photoelectric sensor, remote test capable. For use with DNR/DNRW. FlashScan only. See 74-5200

TC806DNR3000-IV: Ivory version of TC806DNR3000 that supports FlashScan and CLIP. For use with DNR/DNRW. FlashScan and CLIP.

TC808B3011: White, low-profile intelligent 135°F fixed thermal sensor, FlashScan only. Must be mounted to one of the bases listed below. See 74-5201.

TC808B3011-IV: Ivory version of TC808B3011 that supports FlashScan and CLIP.

TC808B3102: White, low-profile intelligent rate-of-rise thermal sensor, FlashScan only. Must be mounted to one of the bases listed below. See 74-5201.

TC808B3102-IV: Ivory version of TC808B3102 that supports FlashScan and CLIP. FlashScan only.

TC808B3203: White, low-profile intelligent 190°F fixed thermal sensor, FlashScan only. Must be mounted to one of the bases listed below. See 74-5201.

TC808B3203-IV: Ivory version of TC808B3203 that supports FlashScan and CLIP. Must be mounted to one of the bases listed below.

TC846A3013: White, intelligent high-sensitivity photoelectric smoke detector, FlashScan only. See 74-5212.

TC846A3005: White, intelligent high-sensitivity photoelectric smoke detector, CLIP mode only. See 74-5212.

DNR: InnovairFlex low-flow non-relay duct-detector housing. (Order TC806DNR separately.) See 74-4076.

DNRW: Same as above with NEMA-4 rating, watertight. See 74-4076.

VEA-040-A00-HON-UL: Intelligent aspiration with LED display, 40 point-addressable detection points. Covers 36,000 square feet. UL/ULC. See 74-5218. UL/ULC Listed.

VEA-040-A10-HON-UL: Intelligent aspiration with 3.5" LCD display, 40 point-addressable detection points. Covers 36,000 square feet. UL/ULC. See 74-5218. UL/ULC Listed.

VEP-A00-1P-HON-VN: Intelligent aspiration smoke detector with LED display, single pipe, covers up to 10,760 square feet. UL/ULC. See 74-5216. UL/ULC Listed.

VEP-A00-P-HON-VN: Intelligent aspiration smoke detector with LED display, 4 pipes, covers up to 21,520 square feet. UL/ULC. See 74-5216. UL/ULC Listed.

VEP-A10-P-HON-VN: Intelligent aspiration smoke detector with 3.5" LCD display, 4 pipes, covers up to 21,520 square feet. UL/ULC. See 74-5216. UL/ULC Listed.

VEU-A00-HON-VN: Intelligent aspiration smoke detector with LED display, 4 pipes, covers up to 69,965 square feet. UL/ULC. See 74-5217. UL/ULC Listed.

VEU-A10-HON-VN: Intelligent aspiration smoke detector with 3.5" LCD display, 4 pipes, covers up to 69,965 square feet. UL/ULC. See DN-61034. UL/ULC Listed.

VES-A00-P-HON-VN: Intelligent scanning aspiration detector with LEDs. See DH-62040. UL 268 7th edition.

VES-A10-P-HON-VN: Intelligent scanning aspiration detector with 3.5" LCD display. See DH-62040. UL 268 7th edition.

CK300 Series Color Kits: Snap-on overlay to change color of a 3rd Generation detector. For basic detectors: CK300 white; CK-300-IV ivory; CK300-BL for black. For Fire/CO and PTIR detectors, with IR

opening: CK300-IR white, CK300-IR-IV ivory, CK300-IR-BL black. For Photo/CO and CO only, with CO opening: CK300-CO-IV ivory. CK300-CO-BL black. Note: Refer to detector data sheets for color kits available for older detectors.

INTELLIGENT DETECTOR BASES

B224RB-WH, 14507371-003: White, low-profile relay base. See 85-3043.

B224RB-IV: Ivory, plug-in System Sensor relay base.

B224BI-WH, 14507371-005: White, isolator base for low-profile detectors. See 85-3043.

B224BI-IV: Ivory isolator detector base.

B300-6: White, standard flanged low-profile mounting base. (For 10-pack order B300-6-BP.) See 85-3043.

B300-6-IV: Ivory, standard flanged low-profile mounting base.

B501-WHITE: European-style, 4" (10.16 cm) base. (For 10-pack order B501-WHITE-BP.) See 85-3043.

B501-BL: Black, 4" standard European flangeless mounting base.

B501-IV: Ivory color, 4" standard European flangeless mounting base.

B200S-WH: White, intelligent programmable sounder base, capable of producing a variety of tone patterns including ANSI Temporal 3. Compatible with synchronization protocol. See 85-3043.

B200S-IV: Ivory intelligent, programmable sounder base.

B200S-LF-WH: White, low-frequency version of B200S. See 85-3043.

B200S-LF-IV: Ivory, low-frequency version of B200S.

B200SR-WH: White intelligent programmable sounder base, Temporal 3 or Continuous tone. For retrofit installations replacing B501BH series bases. See 85-3043.

B200SR-IV: Ivory intelligent programmable sounder base, Temporal 3 or Continuous tone. For retrofit installations replacing B501BH series bases.

B200SR-LF-WH: White, low-frequency version of B200SR. See 85-3043.

B200SR-LF-IV: Ivory, low-frequency version of B200SR.

COMPATIBLE INTELLIGENT MODULES

TC809A1059: FlashScan monitor module. See 74-3993.

TC809D1004: FlashScan dual monitor module. See 74-3993.

TC841A1000: FlashScan two-wire detector monitor module. See 74-3993.

TC809B1008: FlashScan miniature monitor module. See 74-3993.

TC810T1000: Firephone Telephone Module connects a remote firefighter telephone to a centralized telephone console. Reports status to panel. Wiring to jacks and handsets is supervised. See 74-4077.

TC810N1013: FlashScan control module. See 74-3995.

TC810S1000: FlashScan releasing control module. See 74-5068.

TC810R1024: FlashScan relay module. See 74-3995.

TC822A1010: FlashScan dual monitor/dual relay module. See 74-5104.

S464G1007: Manual pull station, addressable (CLIP/FlashScan). See 74-3365.

TC811A1006/TC811A1014: Isolator module. See 74-4555.

ISO-6: Six fault isolator module. See 74-5181.

XP6-C: FlashScan six-circuit supervised control module. See 85-3069.

XP6-MA: FlashScan six-zone interface module; connects intelligent alarm system to two-wire conventional detection zone. See 85-3070.

XP6-R: FlashScan six-relay (Form-C) control module. See 85-3071.

XP10-M: FlashScan ten-input monitor module. See 85-3068.

ENCLOSURES, CHASSIS, AND DRESS PLATES

CAB-5 Series Enclosures: XLS4K-CPU-LD and XLS4K-CPU-ND mount in a standard CAB-5 Series enclosure (available in 5 sizes, "A" through "E"). Backbox and door ordered separately; requires BP-5 battery plate. See HON-62113.

CAB-4 Series Enclosures: XLS4K-CPU-LD and XLS4K-CPU-ND can mount in a standard CAB-4 Series enclosure; requires DP-GDIS1 or DP-GDIS2. See 85-3002.

C5A-M: Chassis for FACP control panel when XLS-DVC-EM is used. Comes with microphone (accommodates separately ordered handset), mounting in the first, second, or third row of a CAB-5 series enclosure (takes one row). Order dress panel DPA-C5 separately. See HON-62113.

C5A-NW: Audio chassis for mounting DVC, keypad, and two optional module cards in a CAB-5 series enclosure. Order dress panel DPA-2A5 to add 2 additional positions on the right.

DP-T2A: Dress panel for CAB-5 Series, mounts 10" display and two ACM-30 annunciators.

DP-T2A-CB4: Dress panel for CAB-4 Series, mounts 10" display and two ACM-30 annunciators.

DP-BLN: Blank dress panel. Provides dead-front panel for unused tiers in a CAB-5 Series enclosure.

DP-GDIS1: Graphic Annunciator Dress Plate, mounts the 10" graphic display and XLS3000 Series Annunciators in the top row of a CAB-4 Series cabinet.

DP-GDIS2: Graphic Annunciator Dress Plate, mounts the 10" graphic display and XLS3000 Series Annunciators in the second, third or fourth row of a CAB-4 Series cabinet.

BP-5: Battery plate, required.

XLS-LBB: Battery Box. The XLS-LBB is used to mount up to two 55 AH batteries. Dimensions: Box: 24" (610 mm) wide x 14" (356 mm) high x 7.75" (197 mm) deep. Door: 24.125" (613 mm) wide x 14.25" (362 mm) high; door adds 0.0625" (approx. 1.6 mm) to depth.

CHS-CGW: Chassis for mounting the HON-CGW-MBB in a CAB-4 or CAB-5 Series enclosure.

CGW-DACT-CH: Chassis for mounting HON-DACT-DS board inside CAB4/5 enclosure.

CHS-ADP: Adapter plate for mounting a CAB-4 chassis in a CAB-5 Series enclosure.

BACKBOXES

BB-100: Battery Enclosure. Holds up to two 100 AH batteries. 30" (76.20 cm) wide x 25" (63.50 cm) high x 7.5" (19.05 cm) deep; depth includes door.

BB-200: Battery Enclosure. Stores up to 200 AH batteries. 30" (76.20 cm) wide x 36" (91.44 cm) high x 7.5" (19.05 cm) deep; depth includes door.

XLS-ABB-1: Backbox for ACM-30 annunciator, 1 position.

XLS-ABB-2: Backbox for ACM-30 annunciator, 2 position.

XLS-NBB-2: Annunciator backbox, 2 position.

CLSS GATEWAY AND LICENSABLE FEATURES

HON-CGW-MBB: CLSS Gateway, pre-installed in a cabinet. HON-62034

Licenseable features: Individually purchased and downloaded to a specific panel.

- **XLS4K-XUPG:** Upgrade license from Basic persona panel operation to Expanded persona panel operation.
- **XLS4K-GZ50:** General Zone expansion. Adds 50 general zones to an XLS4000 panel (maximum 2000 zones).
- **XLS4K-GZN:** General Zone expansion. Adds 250 general zones to an XLS4000 panel (maximum 2000 zones).
- **XLS4K-LGZ50:** Logic Zone expansion. Adds 50 logic zones to an XLS4000 panel (maximum 2000 zones).
- **XLS4K-AREL:** Adds first 10 Agent Releasing Zones (Only 1 Per Panel).
- **XLS4K-WREL:** Adds first 10 Water Releasing Zones (Only 1 Per Panel).
- **XLS4K-ADDAREL:** Adds next 10 Agent Releasing Zones For An Expanded Persona (Max 4 Per Panel).
- **XLS4K-ADDWREL:** Adds next 10 Water Releasing Zones For An Expanded Persona (Max 9 Per Panel).
- **XLS4K-CAC:** Custom Action Button expansion. Adds 8 custom action buttons to an XLS4000 panel (maximum 32 buttons).
- **XLS4K-CLP:** Enables CLIP mode on an XLS4000 panel.
- **XLS4K-GZ:** General Zone expansion. Adds 250 general zones to an XLS4000 panel (maximum 2000 zones).
- **XLS4K-LGZ:** Logic Zone expansion. Adds 250 logic zones to an XLS4000 panel (maximum 2000 zones).
- **XLS4K-NWD:** Enables Network Display Mode on an XLS4000 panel to emulate NCD's network display capabilities.
- **XLS4K-UZC:** Universal Zone Coding, enables UZC for an XLS4000 panel.

Note: For other options including compatibility with retrofit equipment, refer to the panel's installation manual, the SLC Wiring Manual, and the Device Compatibility Document.

COMMUNICATORS

CCM-ATT-HON: AT&T Cellular module for CLSS gateway

CCM-VZ-HON: Verizon Cellular module for CLSS gateway

HWF2A-COM: LTE/IP Dialer Capture Alarm Communicator

HWF2V-COM: LTE/IP Dialer Capture Alarm Communicator

HW-TG7LAF02: LTE Dialer Capture Alarm Communicator

HW-TG7LVF02: LTE Dialer Capture Alarm Communicator

HON-DACT-DS: Darksite Dialer, pre-installed in a cabinet. (See HON-62180.)

32351718-001: NUP Serial (RS232) Cable 10" Kit for Notifier

50160636-001: Kit with 30" NUP Cable and Notifier Lock and Key Set

MCBL-7: DACT phone cord, 7 ft (2.13 m) long (two required)

SYSTEM CAPACITY

- Intelligent Signaling Line Circuits:
 - XLS4K1 expandable to 3
 - XLS4K-CPU-LD, XLS4K-CPU-ND, XLS4K-CPU-RTO1 expandable to 10
- Intelligent detectors: 159 per loop
- Addressable monitor/control modules: 159 per loop
- Programmable software zones: Over 2000
- AIO Annunciators: 80 per XLS4000

XLS4000 TECHNICAL SPECIFICATIONS

- Network nodes: Up to 200 per network
- Remote Displays: Up to 5 XLS-RLDs per XLS4000

ELECTRICAL SPECIFICATIONS

Primary Input Power:

- **PMB-AUX(-RTO):** 120VAC 50/60 Hz 2.5A, 240VAC 50/60 Hz, 1.25A
- **DC Output:**
 - 24VDC aux output 1: 24VDC, 1.5 A
 - 24VDC aux output 2: 24VDC, 1.5 A

Current draw (Standby/Alarm):

- **PMB-AUX:** 0.096 A (standby), 0.110 A (alarm)
- **XLS4K-CPU:** 0.116 A (standby), 0.116 A (alarm)
- **Main Display:** 0.153 A (standby), 0.163 A (alarm)
- **XLS-NCD:** 0.360 A (standby), 0.380 A (alarm)
- **ACM-30:** 0.083 A (standby), 0.087 A (alarm)
- **SLM-318:** 0.159 A (standby), 0.210 A (alarm)
- **TM-8:** 0.081 A (Standby), 0.189 A (Alarm)
- **LDM2-32:** 0.023 A (Standby), 0.050 A (Alarm)
- **LDM2-60:** 0.023 A (Standby), 0.051 A (Alarm)
- **XLS-RLD:**
 - Back light Set in Range of 1%-50%:
0.150 A (Standby, Normal Mode)
0.160 A (Alarm)
 - Back light Set in Range of 51%- 100%:
0.200 A (Standby, Normal Mode)
0.225 A (Alarm)

Battery Charger Range: 7 AH – 100 AH. Use separate cabinet for batteries over 26 AH.

Charging Current: 1A, 2A, and 4.25A

Float Rate: 27.6 V.

PHYSICAL SPECIFICATIONS

- **XLS4K Shipping Weight:** 35 lb
- **XLS4K Backbox dimensions:** 20.31" H x 24.00" W x 5.5" D (51.6 cm H x 61 cm D x 14cm D)

Temperature and Humidity Ranges: This system meets NFPA requirements for operation at 0 – 49°C (32 – 120°F) and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's

standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C (60 – 80°F).

AGENCY LISTINGS AND APPROVALS

The file number(s) below reference the specific listings for the equipment 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 Honeywell for latest listing status.

- **UL Listed:** S470
- **FM Approved**
- **FDNY Approved**
- **IBC cert for seismic:** VMA-45894-06C
- **CSFM:** 7165-1637:0512
- **OSPHD:** OSP-0072

STANDARDS

The XLS4000 Series complies with the following UL Standards and NFPA 72 Fire Alarm Systems requirements:

- **UL 864**, 10th edition (Control Units and Accessories for Fire Alarm Systems).
- **UL 2610** (Commercial Premises Security Alarm Units and Systems).
- **UL 2017** (General-Purpose Signaling Devices and Systems).
- **NFPA 72 Local** (Automatic, Manual, Waterflow, and Sprinkler Supervisory).
- **NFPA 72 Central Station** (Automatic, Manual, Waterflow, and Sprinkler Supervisory, requires HON-CGW-MBB.)
- **NFPA 72 Remote Station** (Automatic, Manual, Waterflow, and Sprinkler Supervisory) (requires UL 10th edition listed DACT).
- **NFPA 72 Proprietary** (Automatic, Manual, Waterflow, and Sprinkler Supervisory).
- **NFPA 72 Emergency Voice/Alarm** (requires DVC/DAA/DAA-2)
- **NFPA 72 PB** (Performance Based Technologies) (Requires HON-CGW-MBB).

Note: Install in accordance with the UL and NFPA standards specified in panel documentation.

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

Country of origin: USA

Honeywell Building Solutions

715 Peachtree Street NE
Atlanta, GA 30308
800.345.6770
www.honeywell.com

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