

ACM-30

Configurable AIO Announcer

The ACM-30 annunciator is flexible to provide maximum system efficiency. Virtually any combination of controls and displays can be configured.

The ACM-30 annunciator provides the XLS4000 Series Fire Alarm Control Panel (FACP) or XLS-NCD Network Control Display with remote, serially-connected annunciators. Arrays of LEDs indicate, locally within the FACP or at a remote location, the status of addressable points within the system. The ACM-30 annunciators are designed to serve as full function annunciators that can both receive status information as well as transmit commands to the control panel. This allows the annunciator to remotely execute functions of the control panel in addition to displaying the status of the system.

Common system functions such as signal silence, system reset, and local annunciation controls (local acknowledge and lamp test) are controlled through touchpoints on the annunciator's keypad.

Each button on the ACM-30 can be programmed to either cooperate with its coordinating LEDs or to operate independently. All buttons and LEDs are customizable. There is no fixed system function on the ACM-30. Using Independent mode, a single ACM-30 could be configured to have 60 point indicators.

Communication between the FACP or XLS-NCD and these annunciators is accomplished over a power-limited, two-wire serial interface called the AIO Bus and can be connected to both the main and local bus. Power for the ACM-30 is provided via a separate power-limited power loop from the control panel which is inherently supervised by these annunciators (loss of power results in an annunciator communication failure at the control panel).

The XLS4000 FACP supports a maximum of 80 annunciators. Up to 10 ACM-30 annunciators can be configured as routers with each router supporting up to 15 ACM-30 peripheral annunciators.

The capacitive touch keypad of the ACM-30 has 30 buttons with two corresponding LEDs. The LEDs can be programmed for red, green, yellow, white, amber, blue, cyan or purple. The keypad header has two additional LEDs and buttons intended for use as an On-Line/Power LED, System Trouble LED, Lamp Test button and Silence/Acknowledge switch. Each Annunciator also contains a local piezo sounder for audible indication of alarm and trouble conditions at each annunciator.



ACM-30 mounted in XLS-ABB-1

FEATURES AND BENEFITS

- Touch-pad control switch option for remote control of system relays; or silence, reset, and evacuate
- Color-programmable LEDs
- LEDs may be programmed to display status of indicating circuits or control relays as well as system status conditions
- Alarm/Circuit On and Trouble LED per-point option or more dense Alarm-only option.
- Programmable for Independent Mode (each touchpoint and LED can be programmed for different points) or Cooperate Mode (both LEDs perform indication for the point mapped to the touchpoint) of operation
- Alarm and trouble resound with flash of new conditions
- Local sounder for both alarm and trouble conditions with silence/acknowledge button (program options)
- System Trouble LED indicator
- On-Line/Power LED indicator
- Speaker control mode for use with the XLS-DVC and the XLS4000 Series FACP. Enables the ACM-30 to control operation of groups of multi-channels mapped to groups of multi-speakers
- Onboard end-of-line resistors can be enabled/disabled by setting a switch
- May be powered by 24 VDC from the panel or by remote power supplies
- Microprocessor-controlled electronics, fully supervised
- Slip-in custom labels within product manual, or using VeriFire® Tools
- Plug-in terminal blocks for ease of installation and service
- **Panel Compatibility:**
 - XLS4000 Series
 - XLS-NCD

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INSTALLATION

Communication between the ACM-30 annunciators and the host Fire Alarm Control Panel is made through an EIA-485 multi-drop loop, eliminating the need for costly wiring schemes. Four wires are required, two for the EIA-485 communications (twisted pair), and two for 24 VDC regulated power.

All field-wiring terminations use removable, compression-type terminal blocks for ease of installation, wiring, and circuit testing.

The ACM-30 can be used for manual selection of speaker and telephone circuits. In this application, they are typically mounted in the main control near the microphone and telephone handset.

For remote annunciation applications, the modules are typically mounted in special XLS-ABB boxes.

The ACM-30 annunciator uses modular hardware assemblies which allow the custom configuration of the annunciator panel to fit the individual job requirements.

Standard backboxes and mounting hardware schemes, including special remote cabinets, allow the annunciators to be constructed and configured with other system components. Security Tamper Switches, STS-1, are available.

OPERATION

The ACM-30 annunciator provides the system with up to 80 remote serially connected annunciators, each with a capacity of 62 points, for a total capacity of **4960 points**.

System alarm and/or trouble conditions may be annunciated on a per-point basis, or in a grouped or zone configuration. Control of system operational controls, such as Signal Silence, System Reset, and local annunciation controls (such as Local Acknowledge and Lamp Test) may be accomplished through the module's capacitive touch buttons. Every button and LED on the ACM-30 is completely configurable with VeriFire® Tools.

Local or remote power supplies and serial communications allow the ACM-30 to be located virtually anywhere in the protected premises.

PRODUCT LINE INFORMATION

ACM-30: The Announcer Control Module-30 contains 62 color-programmable (red, green, yellow, white, amber, blue, cyan or purple) Active, Trouble, and Disabled LEDs, 32 momentary touchpoints, a System Trouble LED (programmable for other functions), an On-Line/Power LED (programmable for other functions), and a local piezo sounder with a silence/acknowledge switch for audible indication of alarm and trouble conditions.

XLS-ABB-1: The Announcer Backbox-1 provides for the surface mounting or semi-flush mounting of one ACM-30. Knockouts are provided for use with 0.5" (1.27 cm) conduit. The annunciator mounts directly to the dress plate. 10.95" (27.8cm) high x 9.19" (23.34cm) wide x 3.9" (9.9 cm) deep.

XLS-ABB-2: The Announcer Backbox-2 provides for the surface mounting or semi-flush mounting of two ACM-30 annunciators. Knockouts are provided for use with 0.5" (1.27 cm) conduit. The annunciators mount directly to the dress plate. 10.93" (27.8cm) high x 15.79" (40.1cm) wide x 4.61" (11.7cm) deep.

DP-T2A: The Dress Panel for one touchscreen display and two ACM-30 annunciators to be mounted in a CAB-5 Series cabinet. Modules mount directly to threaded studs on the DP-T2A.

DP-T2A-CB4: The Dress Panel for one touchscreen display and two ACM-30 annunciators to be mounted in a CAB-4 Series cabinet. Modules mount directly to threaded studs on the DP-T2A-CB4.

DP-4A: The Dress Panel-4 allows one to four ACM-30 annunciators to be mounted in the CAB-5 Series cabinet. Annunciators mount directly to threaded studs on the DP-4A.

DP-4A-CB4: The Announcer Dress Panel (black) provides for the cabinet mounting of one to four ACM-30 annunciators. The DP-4A-CB4 hinge-mounts to the CAB-4 Series cabinet. Modules mount directly to threaded studs on the DP-4A-CB4.

ABP-1: Announcer Blank Plate is a flat black dress plate that covers unused module positions in enclosures or dress panels. Studs for a variety of module mounting options are available.

STS-1: The Security Tamper Switch-1 prevents the touchpoints on the router or any peripherals from being active until the door is open. The tamper switch kit includes hardware for mounting to the XLS-ABB-1 or XLS-ABB-2.

ACM-30 TECHNICAL SPECIFICATIONS

Primary Input Power: 18-30VDC, 93mA
max current **NOTE:** Input power must be power-limited and non-resettable.

Shipping Weight: 2 lbs (0.91 kg)

Dimensions:

- 7 in. (17.8 cm) W
- 5.75 in. (14.6 cm) H
- 1 in. (2.54 cm) 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

STANDARDS AND CODES

These listings and approvals below apply to the ACM-30. 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 864, 10th edition
- NFPA 72 National Fire Protection Association

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Country of origin: USA

Honeywell Building Solutions

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

HON-62114 | A | 03/23
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