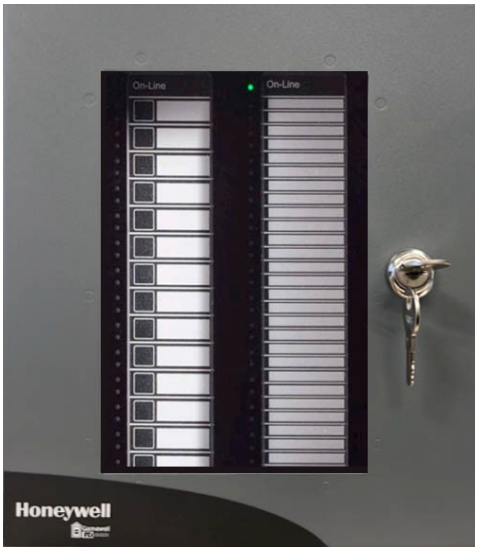
ACM-30

AIO Annunciator

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



ACM-30

The ACM-30 annunciator provides the Gamewell-FCI Elevate Platform FACP (Fire Alarm Control Panels) with remote, serially-connected annunciators. Arrays of LEDs indicate, 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 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 GFP-A/AR FACP supports up to 10 ACM-30 annunciators can be configured as routers. 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.

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
- 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 CAMWorks+ Tools
- Plug-in terminal blocks for ease of installation and service

Honeywell

Gamewell FCI FIRE CONTROL INSTRUMENTS

INSTALLATION

The ACM-30 may be installed in the GFP-BB-RA surface-mount enclosure. This enclosure supports both new installations and retrofit applications.

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.

OPERATION

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 CAMWork+ Tools.

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

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 (non condensing) 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.

Power Requirements: 18-30VDC, 83mA Standby Current at 24V DC, 93mA Alarm Current at 24VDC

Note: *Input power must be power-limited and non-resettable.*

PRODUCT LINE INFORMATION

ACM-30: The Annunciator 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.

GFP-BB-RA: Surface mount enclosure to mount ACM-30.

ACM-30 TECHNICAL SPECIFICATIONS

AGENCY LISTINGS AND APPROVALS

The file number(s) below reference the specific listings for the modules 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 Gamewell-FCI for latest listing status.

- **UL/ULC Listed:** S635
- **FM Approved:** FM23FPUS0095
- **CSFM:** 7165-0028:0516
- **FDNY:** COA#001761
- **Certified for Seismic applications in accordance with IBC 2024:** VMA-45894-01C
- **OSHPD Approved:** OSP-0072

STANDARDS AND CODES

These listings and approvals below apply to the GFP-A/AR. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL 864,** 10th edition (Control Units and Accessories for Fire Alarm Systems).
- **UL 2017** (General-Purpose Signaling Devices and Systems)
- Should be installed as per **NFPA 72** National Fire Protection Association

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

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