For remote annunciation applications, the modules are typically mounted in special ABF or ABS boxes. Control switch key locks (AKS-1B) and phone jacks (APJ-1B) are available. Communication between the ACS Series annunciators and the host Fire Alarm Control Panel (FACP) 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. Retrofit of ACS Series annunciators into existing systems is easily accomplished. Software may require upgrading, and the AM2020 or AFP1010 must include a SIB-2048(A)/SIB-NET Serial Interface Board. All field-wiring terminations use removable, compression-type terminal blocks for ease of installation, wiring, and circuit testing.

OPERATION

The ACS Series annunciator and control system provides the NOTIFIER system with up to 32 remote serially connected annunciators, each with a capacity of 64 points, for a total capacity of 2048 points.
Local or remote power supplies and serial communications allow the ACS to be located virtually anywhere in the protected premises. AM2020 or AFP1010 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 integral membrane push-switches.

**PRODUCT LINE INFORMATION**

**ACM-16AT**: The Annunciator Control Module-16AT contains 16 red Alarm and 16 yellow Trouble LEDs, 16 momentary touch-pad switches, a System Trouble LED, an On-Line/Power LED, and a local piezo sounder with a silence/acknowledge switch for audible indication of alarm and trouble conditions. Includes instructions. 8.375" (21.27 cm) high; 4.375" (11.11 cm) wide.

**ACM-16ATY**: Same as the ACM-16AT, but with all LEDs yellow (yellow On/Alarm and yellow Trouble).

**ACM-16ATG**: Same as the ACM-16AT, but On/Alarm LEDs are green (green On/Alarm and yellow Trouble).

**AEM-16AT**: The Annunciator Expander Module-16AT expands the ACM-16AT by 16 system points. The AEM-16AT is identical in size and in frontal appearance to the ACM-16AT. Up to three of these expander modules can be supported by an ACM-16AT, for a maximum of 64 system points. 8.375" (21.27 cm) high; 4.375" (11.11 cm) wide. **NOTE**: The AEM-16AT cannot be used to expand the ACM-32A.

**AEM-16ATY**: Same as the AEM-16AT but with all yellow LEDs (yellow On/Alarm and yellow Trouble).

**AEM-16ATG**: Same as the AEM-16AT, but On/Alarm LEDs are green (green On/Alarm and yellow Trouble).

**ACM-32A**: The Annunciator Control Module-32A contains 32 red Alarm and 32 yellow Trouble LEDs, a System Trouble LED, an On-Line/Power LED, and a local piezo sounder with a Silence/Acknowledge switch for audible indication of alarm and trouble conditions. Includes instructions. 8.375" (21.27 cm) high; 4.375" (11.11 cm) wide.

**ACM-32Y**: Same as the ACM-32A but with all LEDs yellow (yellow On/Alarm and yellow Trouble).

**ACM-32G**: Same as the ACM-32A, but On/Alarm LEDs are green (green On/Alarm and yellow Trouble).

**AEM-32A**: The Annunciator Expander Module-32A expands the ACM-32A by 32 system points. The AEM-32A is identical in frontal appearance to the ACM-32A. One expander module can be supported by an ACM-32A, providing a maximum of 64 points. 8.375" (21.27 cm) high; 4.375" (11.11 cm) wide. **NOTE**: The AEM-32A cannot be used to expand the ACM-16AT.

**AEM-32Y**: Same as the AEM-32A but with all LEDs yellow (yellow On/Alarm and yellow Trouble).

**AEM-32G**: Same as the AEM-32A, but On/Alarm LEDs are green (green On/Alarm and yellow Trouble).

**ABS-1B**: (shown at right) The Annunciator Surface Box-1B (black) provides for the remote mounting of one annunciator module in a surface-mount enclosure. Knockouts are provided for use with 1/2" (1.27 cm) conduit. The annunciator mounts directly to the ABS-1B without a dress plate. Black, 8.5" (21.59 cm) high x 4.5" (11.43 cm) wide x 2" (5.08 cm) deep. **NOTE**: The ABS-1B will not support the installation of the AKS-1B Annunciator Key Switch.

**ABS-1TB**: The ABS-1TB is an attractive surface-mount backbox for mounting one ACS Series Annunciator. Unlike the ABS-1B, the ABS-1TB has an increased depth that allows mounting of the APJ-1B Annunciator Phone Jack and AKS-1B Annunciator Key Switch. Black, 9.938" (25.24 cm) high x 4.625" (11.75 cm) wide x 2.5" (6.35 cm) deep.

**ABS-2B**: The Annunciator Surface Box-2B (black) provides for the surface mounting of one ACM-16AT/AEM-16AT combination or one ACM-32A/AEM-32A combination. Knockouts are provided for use with 1/2" (1.27 cm) conduit. The annunciators mount directly to the ABS-2B without a dress plate. Black, 8.5" (21.59 cm) high x 8.92" (22.66 cm) x 2" (5.08 cm) deep. **NOTE**: The ABS-2B will not support the installation of the AKS-1B Annunciator Key Switch.

**ABF-1B**: (shown at right) The Annunciator Flush Box-1B (black) provides for the remote mounting of a single annunciator module in a flush-mount enclosure. Knockouts are provided for use with 1/2" (1.27 cm) conduit. The ABF-1B includes a painted black metal trim plate [11" (27.94 cm) high x 6.25" (15.875 cm) wide], mounting hardware, and an adhesive-backed annunciator label for the dress plate. Black, 9.938" (25.24 cm) high x 4.625" (11.75 cm) wide x 2.5" (6.35 cm) deep.

**ABF-2B**: The Annunciator Flush Box-2B (black) provides for the flush mounting of two annunciator modules. Includes a painted black metal trim plate [11" (27.94 cm) high x 10.625" (26.99 cm) wide] and adhesive-backed annunciator label. Black, 9.938" (25.24 cm) high x 9.188" (23.34 cm) wide x 3.75" (9.525 cm) deep.

**ABF-4B**: (shown at left) The Annunciator Flush Box-4B (black) provides for the remote mounting of one to four annunciator modules. Knockouts are provided for use with 1/2" (1.27 cm) conduit. The flush-mounted ABF-4B includes a painted black metal trim plate [11" (27.94 cm) high x 19.375" (49.21 cm) wide] and an annunciator label. Black, 9.938" (25.24 cm) high x 17.75" (45.09 cm) wide x 2.5" (6.35 cm) deep.

**ABF-1DB/ABF-2DB/ABF-4D**: The ABF-1DB, ABF-2DB, and ABF-4D are semi-flush-mount backboxes for NOTIFIER ACS Series Annunciators. The ABF-1DB mounts one annunciator module and the ABF-2DB mounts two modules or an NCA. The ABF-4D mounts up to four annunciators or two annunciators with an NCA. Black with an attractive smoked glass door with NOTIFIER keylock. The ABF-4D is hinged on the bottom for stability.

**DIMENSIONS, ABF-1DB**: Box only: 9.938" (25.24 cm) high x 4.625" (11.75 cm) wide x 2.5" (6.35 cm) deep. Door: 11" (27.94 cm) high x 6" (15.24 cm) wide x 0.75" (1.9 cm) deep.
DIMENSIONS, ABF-2DB: **Box only:** 9.938" (25.24 cm) high x 9.188" (23.34 cm) wide x 3.75" (9.525 cm) deep. **Door:** 11" (27.94 cm) high x 10.375" (26.35 cm) wide x 0.75" (1.9 cm) deep.

DIMENSIONS, ABS-4D: **Box only:** 11.97" (30.40 cm) high x 19.87" (50.47 cm) wide x 3.50" (8.89 cm) deep. **Door:** 11.97" (30.40 cm) high x 19.87" (50.47 cm) wide x 1.25" (3.18 cm) deep.

**ADP-4:** The Annunciator Dress Panel-4 provides for the cabinet mounting of one to four modules. The ADP-4 hinge-mounts to a CAB-3 Series cabinet. Modules mount directly to threaded studs on the ADP-4.

**ADP-4B:** The Annunciator Dress Panel-4B (black) provides for the cabinet mounting of one to four modules. The ADP-4B hinge-mounts to a CAB-4 Series cabinet. Modules mount directly to threaded studs on the ADP-4B.

**ABM-1:** Annunciator Blank Module is a two-sided dress plate identical in appearance to the front panels of the ACM-16AT and AEM-16AT modules on one side, and the front panels of the ACM-32A and AEM-32A modules on the other side. The blank module covers unused module positions in the annunciator backbox or in ADP-4/-4B. 8.375" (21.27 cm) high x 4.375" (11.11 cm) wide.

**BMP-1:** Annunciator Blank Module is a flat black dress plate that covers unused module positions in the annunciator backbox or in the ADP-4B. 8.375" (21.27 cm) high x 4.375" (11.11 cm) wide. Studs for a variety of module mounting options are available.

**DP-DISP:** The Dress Panel-Disp provides for the cabinet mounting of one to four modules in the top row of a CAB-4 Series backbox. Modules mount directly to threaded studs on the DP-DISP.

**AKS-1B:** The Annunciator Key Switch-1B (black) provides access security for the control switches on the ACM/AEM-16AT. The key switch kit includes a key and hardware for mounting to the ABF-1B. Also included is an adhesive-backed annunciator label for use with the key switch/dress plate assembly. **NOTE:** The **AKS-1B can only be employed with the ABF-1B, ABF-2B or ABF-4B.**

**APJ-1B:** Annunciator Phone Jack-1B (black) for Fire Fighters Telephone. Includes mounting hardware and adhesive-backed label.

**ARCHITECTURAL/ENGINEERING SPECIFICATIONS**
For specifications on ACS Series Annunciation and Control Systems, contact NOTIFIER.