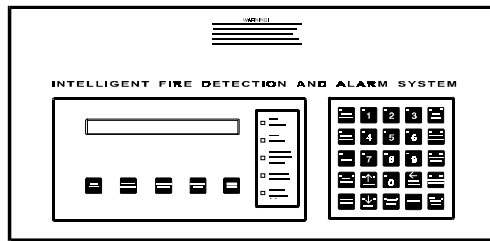


# AM2020/AFP1010 Combination Fire/Security Protective Signaling System Operator's Instructions

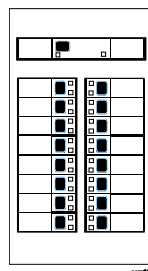
## The Display Interface Assembly (DIA-1010/DIA-2020)

- A.C. Power:** A green LED will illuminate to indicate that the system is operating from the primary power supply.
- Fire Alarm:** A red LED will flash to indicate that the panel has detected at least one fire alarm condition in the system. The red LED will light steadily when all fire alarms have been acknowledged. The panel display will provide detailed information on any alarms received.
- Trouble/Security Alarm:** A yellow LED will flash to indicate any unacknowledged change of status in the system. The panel display will provide detailed information about each change of status signal received. After all change of status conditions have been acknowledged, and while at least one trouble condition still exists, the Trouble/Security Alarm LED will illuminate steadily. **NOTE:** Security alarms are considered trouble conditions in this combination fire alarm/security system.
- Display Trouble:** A yellow LED will illuminate when a trouble condition is detected in the display assembly. When this LED is illuminated, all display information should be considered invalid.
- Signal Silence:** A yellow LED will illuminate steadily when all the control modules in the system which can be silenced have been silenced. A flashing yellow LED indicates a partial signal silence condition (some of the control modules that can be silenced have been silenced).
- Piezo Sounder:** The local panel piezo sounder provides an audible indication of the system alarm or trouble conditions. The sounder will pulse to indicate the detection of at least one fire alarm condition in the system, and will sound steadily when the system is in trouble. The sounder is silenced when all conditions have been acknowledged. If the sounder sounds steadily, and it cannot be silenced by the acknowledgment of all system alarm/trouble conditions, CALL YOUR SERVICE REPRESENTATIVE IMMEDIATELY.
- ACK/STEP:** This Key is used to acknowledge system alarm or trouble conditions. When depressed, the operator acknowledges the new status of the device indicated on the display. Depression of this key will also step the display to the next device in alarm or trouble. After all such system alarm and trouble conditions have been acknowledged, the ACK/STEP key may be used to step the display through the existing system alarm and trouble conditions.
- SIGNAL SILENCE:** This key, during a fire alarm condition, will deactivate all activated control modules that have been programmed to permit signal silencing.
- SYSTEM RESET:** This key is used to clear all system alarm and trouble conditions. If an alarm or trouble condition still exists after System Reset, that alarm/trouble condition will resound.
- SYSTEM TEST:** This key is used to automatically perform a test of all intelligent detectors in the system. Results of the system detector test are then indicated on the panel display.
- LAMP TEST:** This key is used to perform a test of LEDs on the control panel and to test the panel display. The test will illuminate the panel LEDs in sequence for a timed period and flash the panel display. When the test has been completed, the panel LEDs and the panel display will return to their prior states.



## ACM-16AT and ACM-32A Annunciators

- System Trouble:** This yellow LED illuminates to indicate a trouble in the system.
- On Line:** This green LED flickers to show that the annunciator is communicating with the control panel.
- ACKNOWLEDGE:** The Local Silence/Acknowledge Key lights all the LEDs on the ACM-16AT and acknowledges all status changes for both the annunciator and the expanders. Flashing LEDs on the annunciator will latch on solid and the piezo sounder will be silenced. Note: On and expander (AEM-16AT or AEM-32A), this key serves as a Lamp Test only.
- Point LEDs:** The red LED associated with each point will flash or will illuminate steadily to indicate activation of that point (alarm or energizing). The yellow LED associated with each annunciator point will flash or illuminate steadily to indicate a trouble condition on that point (ACM-16AT or AEM-16AT only).
- Point Control Switches:** Each key serves to Acknowledge its respective point. Pressing the control key after the onset of a trouble condition will cause the flashing yellow trouble LED to illuminate steadily.
- Output circuits:** The control key does not serve as an Acknowledge for this point. Pressing the control key toggles the state of the output circuit (if the circuit is ON, pressing the key turns the circuit OFF and vice versa).
- Software Zones:** The control key serves as an Acknowledge for the software zone.



Frame and mount these Operator's Instructions adjacent to the AM2020/AFP1010 for ready reference.



In the event of trouble, contact the following Notifier Local Service Representative:

Name: \_\_\_\_\_

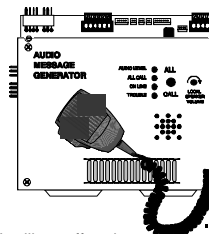
Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

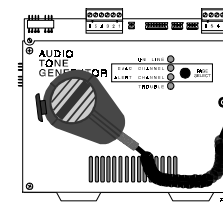
## AMG-1 Audio Message Generator

- Audio Level:** This green LED is illuminated when the audio level is correct.
- All Call:** This green LED toggles on and off with each depression of the All Call Switch.
- On Line:** This green LED indicator is normally illuminated to show that the control panel is communicating with the Audio Message Generator.
- Trouble:** This yellow LED illuminates to indicate the presence of a trouble in local audio subsystem equipment (AMG, AA-30, FFT-7).
- ALL CALL SWITCH:** The All Call Switch, when pressed, is used to activate all speaker circuits. These speaker circuits will deactivate when the All Call Switch is pressed again (toggle function), provided an alarm is not present. If an alarm is present, the speaker circuit will remain activated until manually turned off or until the system is reset. For dual-channel applications, either All Call Switch can be pushed with the same result.
- SPEAKER VOLUME:** The Local Speaker Volume control adjusts the volume of the speaker located on the AMG. It will not affect the volume of the speakers installed throughout the building. If necessary, turn the volume down to prevent feedback during paging.
- MICROPHONE:** The microphone is used for paging. To page, select the speaker circuit(s) that you wish to page through by using the control keys on ACM-16AT Annunciators or by using the All Call Switch. Depress the switch on the side of the microphone and speak into the microphone. Talk loudly enough to cause the green Audio Level LED to illuminate. If the Audio Level LED is allowed to remain off for 30 seconds system trouble will result.
- Speaker Circuit Select:** To turn a speaker circuit ON, press the control key on the annunciator point mapped to that speaker circuit. The red LED on the point selected will illuminate. The control key toggles the state of its circuit. If the speaker circuit has been previously activated automatically by the control panel, pushing the control key will cause the yellow LED on the annunciator point and the AM2020's Signal Silence LED to flash, indicating that a partial silence has been effected.
- Tone/Message Select:** To select an audio output function (voice message or audio tone), press the control key on the annunciator. Note: An active audio function may have to be deactivated before selection of the next function.
- Dual-Channel Select:** To select a channel, press the control key on the annunciator point mapped to the desired channel. The red LED on that point will illuminate. The control key toggles the selection of the channel. Channels must be selected for each speaker zone in a dual-channel system.



## ATG-2 Audio Tone Generator

- The ATG-2 provides user-selected tones for single or dual-channel output. When activated, the ATG-2 generates either a slow whoop, Hi/Lo or steady tone on the primary (EVAC) channel. In dual-channel operation, the ATG-2 also generates either chime or a 20 pulses-per-minute tone on the secondary (ALERT) channel.
- On Line:** This green LED indicator is normally illuminated to show that the AM2020/AFP1010 is communicating with the Audio Tone Generator.
- Evac Channel:** This green LED illuminates to show that manual paging will occur over the EVAC channel.
- Alert Channel:** This green LED illuminates to show that manual paging will occur over the ALERT channel.
- Trouble:** This yellow LED illuminates to indicate the presence of a trouble in local audio subsystem equipment (ATG, AA-30 FFT-7).
- PAGE SELECT SWITCH:** The Page Select Switch, when pressed, is used to choose between EVAC and ALERT channels for paging. The respective LED will illuminate when the channel has been selected.
- MICROPHONE:** The microphone is used for paging. To page, select the desired channel by pressing the Page Select Switch until the respective LED illuminates. Depress switch on the side of the microphone and speak into the microphone.
- Speaker Circuit Select:** To turn a speaker circuit ON, press the control key on the annunciator point mapped to that speaker circuit. The red LED on the point will illuminate. The control key toggles the state of its circuit. If the speaker circuit has been previously activated automatically by the control panel, pushing the control key will cause the yellow LED on the annunciator point and the AM2020/AFP1010's Signal Silence LED to flash, indicating that a partial silence has been effected.
- ALL CALL SWITCH:** To turn on all speaker circuits, press the All Call Switch (provided separately).



## FFT-7 & FFT-7S Fire Fighters Telephone

- Page Mode: (FFT-7 only)** This green LED illuminates when the Page Switch is depressed.
- On Line:** This green LED illuminates to show that power is applied to the Fire Fighters Telephone system.
- Phone Trouble:** This yellow LED illuminates to indicate an internal circuit trouble.
- Line Trouble:** This yellow LED illuminates to indicate an external circuit trouble.
- Page Switch:** The Page Switch allows a firefighter to page from a Fire Fighters Telephone. To page, select the speaker circuit(s) that will carry the page by using the control keys on ACM-16AT annunciators, or by using the All Call Switch on the AMG-1 next to the FFT-7. Depress the Page Switch and talk loudly enough into the handset to cause the green Audio Level LED on the AMG-1 to illuminate.
- Incoming Calls:** The yellow LED on an annunciator point mapped to telephone circuit will flash, the red LED will illuminate steadily, and the piezo will beep. Do not press the Acknowledge Key in this case! To answer the incoming call, pick up the master handset and press the control key next to these annunciator LEDs. Wait until the caller has been connected (audible click in the receiver). To disconnect the call, momentarily press the telephone circuit annunciator point control key again.
- Remote Phone Paging: (FFT-7 only)** Answer the incoming call from the telephone circuit as described above. Press the Page switch on the FFT-7, illuminating the yellow Page Mode LED. Select speaker circuits by pressing control keys on the annunciator or by depression of the All Call Switch on the AMG-1 next to the FFT-7. Any fireman connected via the telephone circuit annunciator control key can page through the selected speaker circuits.

