AFC-600 OPERATING INSTRUCTIONS

1.0 Operating Information

Normal Standby Operation

1. Green AC POWER indicator lit steadily.
2. Red ALARM indicator off.
3. Yellow TROUBLE indicators off.

Alarm Condition

1. Red ALARM indicator lit.
2. Alarm signaling devices activated.
3. Option module (remote station or supplementary alarm relay) activated.
4. Alarm information visible on LCD display.

Alarm Reset

After locating and correcting the alarm condition, reset the control panel by pressing the SYSTEM RESET switch.

Trouble Conditions

Activation of trouble signal under normal operation indicates a condition that requires **immediate** attention. Contact your local service representative. Silence the audible signal by pressing the ACKNOWLEDGE/STEP switch. The trouble indicator will remain illuminated.

2.0 Switch Functions

Acknowledge/Step

This silences the piezo sounder and changes all flashing conditions to steady. Only one press is necessary, regardless of the number of new alarms, troubles, or supervisory signals. If the piezo is silenced, it sends an acknowledge message to the printer and history file. **ACKNOWLEDGE** also automatically sends a special command to silence piezo sounders on the LCD-80 and ACS Annunciators. If more than one event exists, it advances the display to the next item and displays it for 3seconds, or until the ACKNOWLEDGE/STEP switch is pressed again (Step function).

Alarm Silence

Alarm Silence performs all the functions of ACKNOWLEDGE. In addition, if an alarm exists, it turns off all silenceable circuits and illuminates the ALARM SILENCE indicator. It also sends an ALARM SILENCED message to the printer and history file. A subsequent alarm will then resound the system.

Notes:

1. This unit is programmed to inhibit signal silence for ____seconds.
2. This unit is programmed to automatically silence alarm signal after _____ minutes.

Alarm Activate

The AFC-600 waits for the ALARM ACTIVATE switch to be pressed for 2seconds (to prevent accidental activations), then turns on all silenceable circuits (all CMX-1 modules/bell circuits that are programmed silenceable), and turns off the ALARM SILENCE LED. It sends a Manual Evacuate message to the LCD display, LCD-80, printer, and History file.

System Reset

Resets the control panel.

Lamp Test

Press and hold the switch to lamp-test the LEDs.

3.0 LED Indicators

AC Power

Green LED which illuminates when primary power is applied to the control panel.

Fire Alarm

Red LED that flashes when one or more alarms occur. Illuminates steadily after alarms are acknowledged, and turns off when RESET is pressed after alarm clears.

Pre-Alarm Warning

Yellow LED that flashes when a pre-alarm threshold is reached. The 80-character LCD display indicates if it is an ALERT or ACTION pre-alarm.

Security (optional)

Blue LED that illuminates for a security alarm. LED turns off after the alarm clears and RESET is pressed.

Supervisory (optional)

Yellow LED that flashes when a Supervisory, Hazard Alert or Tamper condition occurs, such as a sprinkler valve tamper condition. The LED turns off when the Supervisory condition clears. The Hazard Alert or Tamper indication will latch until reset.

System Trouble

Yellow LED that flashes when one or more troubles occur. Goes on steadily when ACKNOWLEDGE is pressed, and turns off when all trouble conditions are cleared. Will illuminate if the microprocessor watchdog timer fails (CPU FAIL).

Disabled Points

Yellow LED that illuminates when one or more points are disabled. The 80-character LCD will indicate which points have been disabled. Turns off when points are re-enabled.

Alarm Silenced

Yellow LED that illuminates after ALARM SILENCE has been pressed. Turns off when ALARM ACTIVATE or SYSTEM RESET is pressed.

4.0 Audible Tone Indicator

Alarm

A continuous sounding tone.

Trouble/Security

A slow, pulsating tone signal having an equal on and off time.

Supervisory

A fast, pulsating tone signal having an equal on and off time.

5.0 Periodic Testing and Maintenance

To ensure proper and reliable operation, system inspection and testing should be scheduled monthly, or as required by NFPA 72H or local fire codes. A qualified Service Representative should perform testing.

Before Testing:

Notify fire department and/or central alarm receiving station if alarm condition is transmitted. Notify facility personnel of the test so alarm sounding devices are ignored during the test period.

After Testing:

Notify all fire, central station, and/or building personnel when testing is complete.

Note: The following section applies to voice and telephone systems only!

6.0 Audio/Telephone System Information

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 press of the All Call switch.

On Line: This green LED normally illuminates 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 local to the audio equipment (AMG, FFT and amplifiers).

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 circuits remain active until manually turned off or until the system is reset. In dual-channel applications, press either All Call switch for 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 facility. If necessary, turn the volume down to prevent feedback during paging operations.

Microphone: The microphone is used for paging operations. To page, select the speaker circuit(s) that you wish to page to by using the control switches on the VCM, DCM, or ACS or by using the All Call switch on the AMG. Press 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 remains off for 30 seconds, a system trouble will result.

Speaker Circuit Select: To turn a speaker circuit on, press the control button for a specific speaker circuit on the VCM, DCM, or ACS. The LED for the circuit selected will illuminate. The control button toggles the state of this circuit.

Tone/Message Select: To select an audio output function (voice message or audio tone), press the control button. Note: An active audio function may have to be deactivated before selecting the next function.

Dual-Channel Select: To select a channel, press the control button for the desired channel. The LED on that point will illuminate. The control button toggles the selection of the channel. Channels must be selected for each speaker zone in a dual channel system.

ATG-2 Audio Tone Generator

On Line: This green LED normally illuminates to show that the control panel is communicating with the Audio Message 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 local to the audio equipment (AMG, FFT, and amplifiers).

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 that channel is selected.

Microphone: The microphone is used for paging operations. To page, select the speaker circuit(s) that you wish to page to by using the control switches on the VCM, DCM, or ACS, or by using the All Call switch on the AMG. Press 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, a system trouble will result.

Speaker Circuit Select: To turn a speaker circuit on, press the control button for that specific speaker circuit on the VCM, DCM, or ACS. The LED for the circuit selected will illuminate. The control button toggles the state of this circuit.

FFT-7 and FFT-7S Fire Fighters Telephone

Page Mode (FFT-7 only): The green LED will illuminate when the Page switch is depressed.

On Line: This green LED will illuminate to show that power is applied to the FFT-7/FFT-7S.

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 the firefighter to page from the FFT. To page, select the speaker circuits that will carry the page by using the control button or by using the All Call switch on the adjacent AMG-1. Press the Page switch and talk loud enough into the handset to cause the green audio level LED on the AMG-1 to illuminate.

Incoming Calls: The green LED on the VCM mapped to a telephone circuit will flash and the piezo will beep. DO NOT PRESS THE ACKNOWLEDGE BUTTON IN THIS CASE! To answer the incoming call, pick up the master handset and press the control button. Wait until the caller is connected (audible click in the receiver). To disconnect the call, momentarily press the telephone circuit control button again.

Remote Paging: Answer the incoming call as described above. Press the Page switch on the FFT-7 and select the required speaker circuits by using the control buttons or the All Call switch on the adjacent AMG-1. Any caller connected to the FFT-7 from a remote location can now page to the selected speaker circuits.

LOCAL SERVICE REPRESENTATIVE:

NAME: _____

ADDRESS: _____

TELEPHONE NUMBER: _____