

OPERATING INSTRUCTIONS:

Normal: All indicators are normally Off except for the green A.C. light. **Note that the Fire Alarm Control Panel is initially in Trouble after power-up until System Reset is pressed.**

Alarm: Operate Alarm Initiating Devices to activate Indicating Appliances. Signals will sound, common alarm & initiating zone indicators will illuminate red.

Silencing of Alarm: Press Signal Silence button momentarily to silence all audible signals. The associated amber indicator will illuminate. **Note:** The signal silencing function may be inhibited for one minute. The signal silence button will not operate until the inhibit period expired. Refer to the installation manual.

Auto Alarm Silence: This fire alarm control panel may be set for automatic signal silence.

Note: Indicating zone (output) may be configured to non-silenceable (steady) signals. Refer to the installation manual.

Waterflow: Indicating appliances and other output circuits that are activated in response to an alarm initiated by a designated Waterflow Zone can not be silenced (manual or automatic).

Supervisory: Activation of any initiating devices for supervisory will sound the buzzer continuously. Common supervisory and initiating zone indicators will illuminate amber (steady). Common Supervisory and Zone Supervisory indicators remain "on" when the buzzer is silenced.

System Reset: Press the Reset button momentarily to restore normal operation. All alarm indicators will extinguish & all latched functions are restored.

Trouble: Any system trouble will sound the buzzer intermittently and Common Trouble indicator will flash amber until the fault is corrected. Refer to the installation manual for troubleshooting guide. Individual amber indicators will flash for any trouble on particular zone(s), and Ground Fault, Battery Trouble, Remote Failure & Test / Config Mode all indicate specific types of trouble. Call for service.

Fire Drill: Press the Fire Drill button momentarily to sound all audible signals without initiating an alarm. Press the button again for normal system operation. **Note: Auxiliary relays will not operate when Fire Drill is operated.**

General Alarm: In a System configured for **TWO STAGE OPERATION**, press the General Alarm button momentarily to initiate a general alarm. Signals will sound with the selected Evacuation Tone. To restore to normal operation, Reset the System.

Acknowledge: In a System configured for **TWO STAGE OPERATION**, press the Acknowledge button momentarily, the associated amber indicator will illuminate indicating that the Alarm has been Acknowledged. The signals will remain in the Pre-Alert Stage, and the System will not execute an Automatic General Alarm (evacuation stage). Any subsequent Alarm will restart the Pre-Alert timer period from the beginning until the System enters into the Evacuation Stage. The System can not be Acknowledged once it is in the Evacuation Stage.

Lamp Test: Press the Lamp Test button momentarily to test all indicators. All indicators should be lit and buzzer will sound.

Queue Buttons: These are used to select a particular Queue to review using the cursor buttons and LCD Display.

Cursor Buttons: These four buttons around the Enter Button are used for up, down, left, and right selection of items on the LCD Display.

Enter Button: This button is used to select a displayed item on the LCD Display.

Cancel Button: This button is used to cancel an operation.

Menu Button: This button is used to initiate the FX-2000 Menu System.

Info Button: This button is used to get more details about a displayed item.

NOTES: All indicators should be tested regularly. Manual or Auto Signal Silencing will also cancel the Automatic General Alarm.

WARNING

THIS UNIT INCLUDES AN ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM ALARM SIGNAL FROM THE INDICATED CIRCUITS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. NO OTHER SMOKE DETECTOR SHALL BE CONNECTED TO THESE CIRCUITS UNLESS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

Circuit (Zone)	Control Unit Delay, Seconds	Smoke Detector	
		Model	Delay, Seconds (1)

(1) Enter Detector Data here; the delay (power-up) (start-up) time marked on the installed Smoke Detector(s), or on their installation wiring diagram(s) is to be used.

BATTERY MAINTENANCE:

The two 12 VDC sealed lead-acid batteries should be replaced after each period of 3 to 5 years of normal service. If the Battery Trouble indicator activates, obtain required service.

SYSTEM SERVICE NOTES:

SYSTEM CONFIGURATION: (check as appropriate)

Electrical ratings: 120 VAC, 60 Hz, 4 Ampere

Battery Fuse:

Signal Silence Inhibit:

☐ None ☐ 1 ☐ 2 ☐ 3 minutes

Automatic Sig Silence Period: ☐ None ☐ 5 ☐ 10 ☐ 15 ☐ 20 ☐ 30 mins

Manual Signal Silence: ☐ No (disabled) ☐ Yes

City Tie: ☐ Disconnectable ☐ No ☐ Yes

Stage Select: ☐ Single Stage ☐ Two Stage

Waterflow:

☐ No ☐ Yes, Zone# _____

Pre-alert period (Two Stage): ☐ None ☐ 5 ☐ 10 ☐ 15 ☐ 20 ☐ 30 mins

Power Supply: ☐ 6 Amps ☐ 12 Amps maximum

SYSTEM LIMITATIONS: (Do not exceed power supply ratings)

Initiating Zone Output: ☐ Limited to 1.7 Amps, max. per Circuit

Initiating Zone Input: ☐ Limited to 1.7 Amps, max. per Circuit

Aux. Power Supply: ☐ Terminals are labelled "INI" on Main Board or DM-1008, 22 VDC, 3 mA Standby, Power Limited to 50 mA max. (Alarm), 5 mV ripple. **Note:** All Initiating Circuits on the Main Board and DM-1008's are Compatibility ID "A".

4 Wire Smoke Supplies: ☐ Terminals are labelled "4-WIRE", 22 VDC, unfiltered Power limited to 1.7 Amps, max. Limited to 50 mA max. (Alarm), 5 mV ripple. **Note:** All Initiating Circuits on the Main Board and DM-1008's are Compatibility ID "A".

Aux. Relay Contacts: ☐ Terminals are labelled "ALARM, TROUBLE, SUPV, or RLY" on Main Board or RM-1008, All are Form C, 1 A max., 28 VDC resistive load. Must be connected to a Listed Power Limited Source of Supply.

RS-485 Interface: ☐ Terminals are labelled "RS485" on Main Board, 5 VDC, Power Limited to 300 mA max. Terminals are labelled "POLARITY REVERSAL" on PR-100, 24 VDC, Power Limited to 8 mA max.

Polarity Reversal: ☐ Terminals are labelled "POLARITY REVERSAL" on PR-100, 24 VDC, Power Limited to 8 mA max.

City Tie: ☐ Terminals are labelled "CITY TIE" on PR-100, 24 VDC, Not Power Limited, 210 mA max. 14 ohm Trip Coil.

Analog Addressable Signalling Line Circuit: ☐ 24 VDC (nominal)

Voltage: ☐ 0.65 Amp, maximum (supervisory), 0.085 Amp, maximum (alarm), 0.750 Amp, maximum (short circuit).

Current: ☐ 40 ohms max., 0.5 uF max. line capacitance. (Unshielded twisted pair), Power limited, Supervised.

Line Resistance: ☐ Supervised.

Manufactured in Canada by: **MIRCOM Technologies Limited**

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MIRCOM

Local Service Representative:

Name: _____

Company: _____

Address: _____

Telephone: _____

System Model: _____

System Type: _____

SERIES FX-2000, Fire Alarm Control Panel

Local Auxiliary (using PR-100), Remote Protected Premise Station (using DACT-100) or PR-100), Central Station Protected Premises (using DACT-100).

Type of Service: A, M, WF, SS (SS is only Local, or with DACT-100) **Type of Signalling:** Non-Coded

Applicable Standards: NFPA 70 and 72, UL-864, UL-C S-524, UL-C S-527

NP-833 Rev 0 Installation Manual is LT-657 Rev.

A copy of this instruction is to be framed and placed adjacent to the Fire Alarm Control Panel.