

# Software Release M2.7 Summary

## for the Notifier AM2020/AFP1010

### Fire / Security Control Panels, Including

### NOTI•FIRE•NET™ and Peripherals

## AROM2.7M, A1ROM2.7M, & NROM2.7M Export

This document covers Release M2.7 Software kits as they affect the following systems and modules:

<b>AROM2.7M-AMG</b>	<b>AROM2.7M-LIB</b>
<b>AROM2.7M-AMGX4</b>	<b>AROM2.7M-LIB2</b>
<b>AROM2.7M-AMGZC</b>	<b>AROM2.7M-LIB4</b>
<b>AROM2.7M-AMGZCF</b>	<b>AROM2.7M-SIB</b>
<b>AROM2.7M-CPU</b>	<b>AROM2.7M-XPP</b>
<b>A1ROM2.7M-CPU</b>	<b>AROM2.7M-XPSC</b>
<b>AROM2.7M-DIAFR</b>	<b>NROM-INAFR2.7M</b>
<b>A1ROM2.7M-DIAFR</b>	<b>NROM-INASP2.7M</b>
<b>AROM2.7M-DIASP</b>	<b>NROM-NAM2.7M</b>
<b>A1ROM2.7M-DIASP</b>	<b>NRTDISKSP-2.7M</b>

**CAUTION - System Reacceptance Test after Software Changes:** To ensure proper system operation, this product must be tested in accordance with NFPA 72-1993 Chapter 7 after any programming operation or change in site-specific software. Reacceptance testing is required after any change, addition or deletion of system components, or after any modification, repair or adjustment to system hardware or wiring.

All components, circuits, system operations, or software functions known to be affected by a change must be 100% tested. In addition, to ensure that other operations are not inadvertently affected, at least 10% of initiating devices that are not directly affected by the change, up to a maximum of 50 devices, must also be tested and proper system operation verified.

# Inventory List

The following replacement ROMs must be ordered individually according to your system requirements. AROM2.7M, A1ROM2.7M, and NROM2.7M cannot be used in conjunction with earlier ROMs. All system ROMs must be upgraded at the same time. (See Compatibility Warning)

## AROM2.7M-AMG

(for standard AMG operation at Annunciator address 29, 30, 31, or 32)

Includes: EPROM for AMG-1/AMG-E

Document # 15744 "Field Change Procedure"  
Document # 15889 "AM2020/AFP1010 Voice Alarm Multiplex System"  
Document # 15889SUP Supplement to Document 15889

## AROM2.7M-AMGX4

(for use with 5th through 8th AMG in one system at Annunciator address 25, 26, 27, or 28)

Includes: EPROM for AMG-1/AMG-E

Document # 15744 "Field Change Procedure"  
Document # 15889 "AM2020/AFP1010 Voice Alarm Multiplex System"  
Document # 15889SUP Supplement to Document 15889

## AROM2.7M-AMGZC

(for zone coded AMG operation occupying addresses 2, 3, 4, and 5)

Includes: EPROM for AMG-1/AMG-E

Document # 15744 "Field Change Procedure"  
Document # 15889 "AM2020/AFP1010 Voice Alarm Multiplex System"  
Document # 15889SUP Supplement to Document 15889

## AROM2.7M-AMGZCF

(for zone coded AMG operation occupying addresses 2, 3, 4, and 5)

Includes: EPROM for AMG-1/AMG-E

Document # 15744 "Field Change Procedure"  
Document # 15889 "AM2020/AFP1010 Voice Alarm Multiplex System"  
Document # 15889SUP Supplement to Document 15889

## AROM2.7M-CPU

Includes: EPROM for CPU-2020

Document # 15744 "Field Change Procedure"  
Document # 15337 "The AM2020/AFP1010 Operator's Instructions"

## A1ROM2.7M-CPU

Includes: EPROM for CPU-2

Document # 15744 "Field Change Procedure"  
Document # 15337 "The AM2020/AFP1010 Operator's Instructions"

## AROM2.7M-DIAFR

Includes: EPROM for DIA-2020FR

DIA-2020FR Label

Document # 15744 "Field Change Procedure"

## AROM2.7M-DIASP

Includes: EPROM for DIA-2020SP

DIA-2020SP Label

Document # 15744 "Field Change Procedure"

## A1ROM2.7M-DIAFR

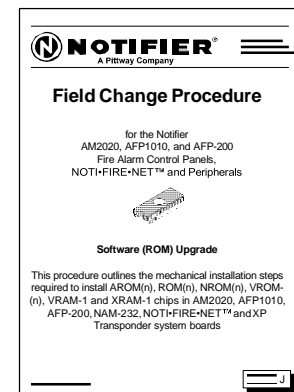
Includes: EPROM for DIA-1010FR

DIA-1010FR Label

Document # 15744 "Field Change Procedure"

EPROM	PART #
AROM2.7M-AMG	73284
AROM2.7M-AMGX4	73295
AROM2.7M-AMGZC	73529
AROM2.7M-AMGZCF	73534
AROM2.7M-CPU	#CPU M2.7
A1ROM2.7M-CPU	#CPU1M2.7
AROM2.7M-DIAFR	#DFR2M2.7
AROM2.7M-DIASP	#DSP2M2.7
A1ROM2.7M-DIAFR	#DFR1M2.7
A1ROM2.7M-DIASP	#DSP1M2.7
AROM2.7M-LIB	#LIB M2.71
AROM2.7M-LIB2	#LIB4M2.71
AROM2.7M-LIB4	#LIB4M2.71
AROM2.7M-SIB	#SIB M2.7
AROM2.7M-XPP	73736
AROM2.7M-XPSC	73737
NROM-INAFR2.7M	#IFR M2.7
NROM-INASP2.7M	#ISP M2.7
NROM-NAM2.7M	#NAM M2.7 #AFP2M2.7
NRTDISKSP-2.7M	#NSP M2.7

### EPROM Part Number List



### Field Change Procedure

Document # 15744 provides instructions for mechanical replacement of the ROMs.

**DIA-1010FR  
#DFR1M2.7**

#### DIA-1010FR Label

Provides a quick reference to the ROM software level currently installed in the AFP1010 DIA-1010 Assembly. Place this label on the inside of the DIA-1010 door during installation of the A1ROM2.7M-DIAFR.

**DIA-2020FR  
#DFR2M2.7**

#### DIA-2020FR Label

Provides a quick reference to the ROM software level currently installed in the AM2020 DIA-2020 Assembly. Place this label on the inside of the DIA-2020 door during installation of the AROM2.7M-DIAFR.

## A1ROM2.7M-DIASP

Includes: EPROM for DIA-1010SP  
DIA-1010SP Label  
Document # 15744 "Field Change Procedure"

## AROM2.7M-LIB

Includes: EPROM for LIB-200  
Document # 15744 "Field Change Procedure"

## AROM2.7M-LIB2

Includes: EPROM for LIB-200A  
Document # 15744 "Field Change Procedure"

## AROM2.7M-LIB4

Includes: EPROM for LIB-400  
Document # 15744 "Field Change Procedure"

## AROM2.7M-SIB

Includes: EPROM for SIB-2048A/SIB-NET  
Document # 15744 "Field Change Procedure"

## AROM2.7M-XPP

Includes: EPROM for XPP-1  
Document # 15744 "Field Change Procedure"  
Document # 15888 "The XP Series Transponder System"

## AROM2.7M-XPSC

(For use in Canada when the second stage evacuation signal must be activated steadily, not at 120 PPM.)

Includes: EPROM for XPP-1  
Document # 15744 "Field Change Procedure"  
Document # 15888 "The XP Series Transponder System"  
Document # 50190 "Addendum to the XP Series Transponder System"

## NROM-INAFR2.7M

Includes: EPROM for INA  
Document # 15744 "Field Change Procedure"

## NROM-INASP2.7M

Includes: EPROM for INA  
Document # 15744 "Field Change Procedure"

## NROM-NAM2.7M

Includes: EPROM for NAM-232  
EPROM for AFP-200  
Document # 15744 "Field Change Procedure"  
Document # 50038 "NAM-232 Manual"  
Document # 15511 "AFP-200 Manual"

## NRTDISKSP-2.7M

Includes: 3½" Floppy Disks for NRT

**Note:** The NRT floppy disks contain software which is already installed on the NRT system hard drive. These disks are provided as a backup only.

DIA-1010SP  
#DSP1M2.7

### DIA-1010SP Label

Provides a quick reference to the ROM software level currently installed in the AFP1010 DIA-1010 Assembly. Place this label on the inside of the DIA-1010 door during installation of the A1ROM2.7M-DIASP.

DIA-2020SP  
#DSP2M2.7

### DIA-2020SP Label

Provides a quick reference to the ROM software level currently installed in the AM2020 DIA-2020 Assembly. Place this label on the inside of the DIA-2020 door during installation of the AROM2.7M-DIASP.

# Compatibility Warning

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**Software Combinations** - All software part numbers are **not** compatible with each other. Improper mixing of software part numbers may compromise Life Safety functions. If in doubt about the compatibility of a particular software combination, consult the factory.

**CGAS, AMNET, AUTOPLEXOR, and VGAS/UNINET** - This software release is not compatible with earlier versions of CGAS, AMNET, AUTOPLEXOR, and VGAS/UNINET systems. Software in these items must be upgraded for compatibility. **Note:** *INA software and NRT software are **not** compatible with CGAS, AMNET, AUTOPLEXOR, and VGAS/UNINET software.*

# Previous NOTI•FIRE•NET™ Software Releases—

(The following features are included in the current software release)

## **AM2020/AFP1010 Features:**

### **AROM6N/A1ROM6N (Revision A-C)**

- NFPA Style 4 (Class B) Network Node SLC Connections
- High and Low MIB Threshold Settings
- Internode Wiring Ground Fault Detection

### **AROM6N/A1ROM6N (Revision D-E)**

- Cooperative Control-By-Event
- Receiving Mode Disabled

### **AROM6N/A1ROM6N (Revision F)**

- Enable/Disable from NRT

### **NROM-2.0/N1ROM-2.0 (Revision G)**

### **NROM-2.5/N1ROM-2.5 (Revision A-C)**

- Individual Alarm Acknowledgment
- Style 7 for Wire Medium
- NVRAM Memory Check
- Synchronization of Clocks

## **INA Features:**

### **AROM1-INA (Revision A-C)**

- NFPA Style 4 (Class B) Network Node SLC Connections
- Network-Wide Event Acknowledgment, Reset, and Signal Silence Capability
- 400 Event Nonvolatile History Buffer
- Local Real Time Clock
- Printer and CRT Interface
- Lamp Test
- Internal and External Power Supply Options
- Two Password Levels
- High and Low MIB Threshold Settings
- Internode Wiring Ground Fault Detection

### **AROM1-INA (Revision D-F)**

- Receiving Mode Disabled

### **NROM-INA2.0 (Revision G)**

### **NROM-INA2.5 (Revision A-C)**

- Individual Alarm Acknowledgment
- Style 7 for Wire Medium
- NVRAM Memory Check
- Synchronization of Clocks
- ACS Annunciators

## **NAM Features:**

### **NROM-NAM2.5 (Revision A)**

- NFPA Style 4 (Class B) Network Node SLC Connections
- Style 7 for Wire Medium
- High and Low MIB Threshold Settings
- Internode Wiring Ground Fault Detection
- Individual Alarm Acknowledgment, Block Trouble Acknowledgment, Signal Silence, and Reset Capability.
- CCBE Zone Output
- Global Manual Evacuate

## **NRT Features:**

### **NRT (Revision A-C)**

- NFPA Style 4 (Class B) Network Node SLC Connections
- Command Center with Network-Wide Event Acknowledgment, Reset, and Signal Silence Capability
- System (Subset of Network Nodes) with Block Acknowledge, Reset, and Signal Silence Capability
- 675 Event Display History Buffer
- Nonvolatile History File (Number of Events Revision Limited by Disk Space Only)
- Microsoft® Windows® 3.1 Based Operating System
- System Interface Window
- History Buffer/Viewer Window
- Graphic Presentation Window
- Memo Window
- Help File
- Mouse/Touch Screen Support
- 13 and 19-inch Monitors
- Three Password Levels
- High and Low MIB Threshold Settings
- Local Real Time Clock
- Vectored Graphics (73705 Only)

### **NRTDISK2.0(-G) (Revision D-E)**

- Receiving Mode Disabled

### **NRTDISK2.0(-G) (Revision F-G)**

- Point Enable/Disable Command
- Print History Files

### **NRTDISKG-2.5 (Revision A-C)**

- Individual Alarm Acknowledgment
- Style 7 for Wire Medium
- Control On/Off
- Increased Capability Passwords
- Programmable Alarm/Trouble Tones
- Logging of Programming/Manual Stage Change
- Synchronization of Clocks

# Previous AM2020 Software Releases

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(The following features are included in the current software release)

## **ROMSC1-2020**

- Enhanced Time/Date Input Format
- Keyboard Operation & Terminal Supervision
- Disabling the Piezo Sounder
- Enhanced READ STATUS Options
- Finding the Parentheses Keys
- Latching LEDs on the SLC Loop
- Self-Restoring Initiating Device Troubles
- Peripheral Communication Rate

## **ROMSC2-2020**

- Enhanced Read Status Option
- System and Point Status Reports
- Terminal Status Line Enabling
- Detector Sensitivity Selection
- Initiating Device Tracking Option
- Software Type I.D. Grouping
- Event-Pending Software Types
- CPU/DIB Communications Failure Signal
- P-80 Printer Troubleshooting Tip

## **ROMSC3-2020 (Rev A)**

- Maintenance Alert
- Low Chamber Value

## **ROMSC3-2020 (Rev B & C)**

- Maintenance Alert
- Low Chamber Value
- Display Monitor Capacity

## **ROMSC3-2020 (Rev D)**

- Maintenance Alert
- Low Chamber Value
- Display Monitor Capacity
- Hardware/ Software Compatibility

## **AROM-4 (Rev A - F)**

- AMG-1 Address Change
- ALL CALL Function
- AMG-1 Functions
- Dual Stage Operation (Canada Only)
- XPP-1 Relay Mapping Change
- Non-Latching Inputs

- ISIB Isolation
- Annunciators
- CGAS, AMNET, & AUTOPLEXOR Compatibility Warning
- History Mode
- Disable
- Control
- Signal Silence/Signal Cut-Out Times
- Local Mode
- Signal Silence Operation
- Type I.D.s
- Time/Date
- PRN-2 Paper Out/Off-line
- NFPA
- Terminal Beep

## **AROM5 (Rev A)**

- Battery Charger Control
- Block Acknowledge
- Control-By-Time
- Control Module Reporting
- Day/Night Sensitivity
- Device Blink
- Disabled Zones
- Event Reminder
- Expanded Read Status Functions
- Expanded Status Line
- Expanded User Reports
- LED Latching
- Local Printer
- New Type I.D.s
- NIB-96 Trouble Reporting
- Non-Alarm Module Reporting
- Periodic Detector Test
- Prior/Next/Autostep Keys
- Remote Page
- Upload/Download of AM2020 Programming
- Verification Counter Reset
- Walk Test

## **AROM5 (Rev B & C)**

- Zone Coded Synthesized Chime
- Zone Coded Voice (Male)

## **AROM5 (Rev D - F)**

- New AMG Boards

## **AROM5 (Rev G - I)**

- NFPA 72-1993 Chapter 6 Sensitivity Calibrated Test
- Drift Compensation
- Manual Reset of Automatically Activated Control Modules

## **AROM6N (Rev A & B)**

- Selectable Drift Compensation
- UL1076/UL1610 Security

## **AROM6N (Rev C - F)**

- Revised Standard for DACT Operation

## **AROM6N (Rev G & H)**

- Zone Coded Voice (Female)

## **AROM6.5N (Rev A & B)**

- Rapid XP Transponder All Call
- Rapid Polling Algorithm
- Pre-Alarm Option
- Remote Terminal Mode
- Supervisory Type I.D.
- Piezo Disabled During Alter Status Programming
- Pager Mode

## **AROM6.5N (Rev B - D)**

- Canadian Upgrade Kit AROM6.5N-XPSC provides steady second stage evacuation signal

## **AROM6.6N (Rev A)**

- Printer Trouble Inhibit
- Universal Digital Alarm Communicator Transmitter

# Previous AFP1010 Software Releases

(The following features are included in the current software release)

## **A1ROM5 (Rev A)**

- Battery Charger Control
- Block Acknowledge
- Control-By-Time
- Control Module Reporting
- Day/Night Sensitivity
- Device Blink
- Disabled Zones
- Event Reminder
- Expanded Read Status Functions
- Expanded AMG Addressing
- Expanded Status Line
- Expanded User Reports
- LED Latching
- Local Printer
- New Type I.D.s
- NIB-96 Trouble Reporting
- Non-Alarm Module Reporting
- Periodic Detector Test
- Prior/Next/Autostep Keys
- Remote Page
- Verification Counter Reset
- Walk Test
- Zone Coded Synthesized Chime
- Zone Coded Voice (Male)

## **A1ROM5 (Rev B)**

- New AMG Boards

## **A1ROM5 (Rev C - E)**

- NFPA 72-1993 Chapter 6 Sensitivity Calibrated Test
- Drift Compensation
- Manual Reset of Automatically Activated Control Modules.

## **A1ROM6N (Rev A)**

- Selectable Drift Compensation
- UL1076/UL1610 Security

## **A1ROM6N (Rev B - E)**

- Revised Standard for DACT Operation

## **A1ROM6N (Rev F & G)**

- Zone Coded Voice (Female)

## **A1ROM6.5N (Rev A & B)**

- Rapid XP Transponder All Call
- Rapid Polling Algorithm
- Pre-Alarm Option
- Remote Terminal Mode
- Supervisory Type I.D.
- Piezo Disabled During Alter Status Programming
- Pager Mode

## **A1ROM6.5N (Rev B - D)**

- Canadian Upgrade Kit  
  AROM6.5N-XPSC Provides  
  Steady Second Stage  
  Evacuation Signal

## **A1ROM6.6N (Rev A)**

- Printer Trouble Inhibit
- Universal Digital Alarm Communicator Transmitter