NOTIFIER AM2020 Fire and Security Alarm Control Panel with DIA-2020 Display Interface Installation Guide
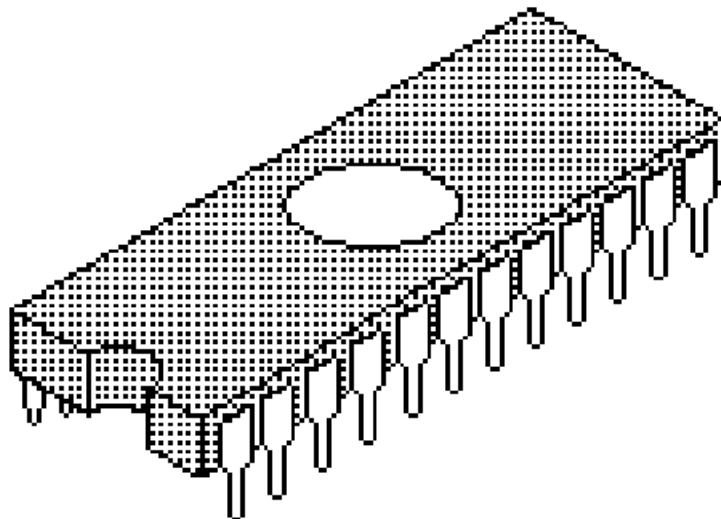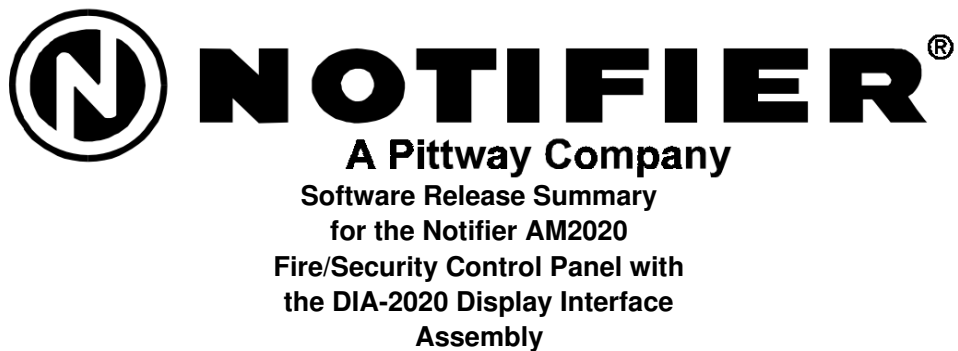
NOTIFIER®

A Pittway Company

**Software Release Summary
for the Notifier AM2020
Fire/Security Control Panel with
the DIA-2020 Display Interface
Assembly**

AROM6N

Contents

AM2020 Fire and Security Alarm Control Panel with DIA-2020 Display Interface

This document covers Release 6.0 Software as it affects the following ROMs:

AROM6N-AMG AROM6N-CPU AROM6N-AMGX4 AROM6N-AMGZCF	AROM6N-DIA AROM6N-LIB AROM6N-AMGZC	AROM6N-SIB AROM6N-XPP AROM6N-LIB-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.

AROM6N Inventory List

The following replacement ROMs must be ordered individually according to your system requirements. AROM6Ns cannot be used in conjunction with earlier ROMs. All system ROMs must be upgraded at the same time. (See Compatibility Warning)

AROM6N-AMG (standard AMG operation at Annunciator address 29, 30, 31, or 32)
Includes:
EPROM for AMG-1/AMG-E

Document # 15744	Field Change Procedure for the AM2020 and AFP1010
Document # 15889	Voice Alarm Multiplex-2020

EPROM	Part #
AROM6N-AMG	73284
AROM6N-AMGX4	73295
AROM6N-AMGZC	73529
AROM6N-AMGCF	73534
AROM6N-CPU	73549
AROM6N-DIA	73547
AROM6N-LIB	73539
AROM6N-LIB-B	73540
AROM6N-SIB	73496
AROM6N-XPP	73679

AROM6N-AMGX4 (for use with 5th through 8th AMG in one system at Annunciator address 25, 26, 27, or 28)
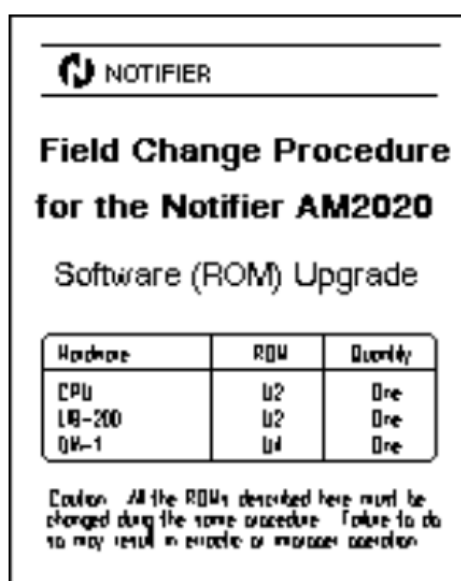Includes:
EPROM forAMG-1/AMG-E

Document # 15744	Field Change Procedure for the AM2020 and AFP1010
Document # 15889	Voice Alarm Multiplex-2020

AROM6N-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 for the AM2020 and AFP1010
Document # 15889	Voice Alarm Multiplex-2020

AROM6N-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 for the AM2020 and AFP1010
Document # 15889	Voice Alarm Multiplex-2020

AROM6N-CPU
Includes:
EPROM for CPU-2020

Document # 15744	"Field Change Procedure for the AM2020 and AFP1010"
Document # 15337	"The AM2020/AFP1010 Fire Alarm Control Panel Operator's Instructions"

Field Change Procedure. (Document # 15744) provides instructions for mechanical replacement of the ROMs.
DIA-2020
EPROM
PROG. P/N 73547
DIA-2020 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 AROM6N-DIA.
**AROM6N-DIA**
Includes:
EPROM for DIA-2020
DIA-2020 Label

Document # 15987	'LED Instruction Sheet'
Document # 15744	Field Change Procedure for the AM2020 and AFP1010
Document # 15088	The AM2020/AFP1010 Manual
Document # 15088SUP	Supplement to Document 15088

AROM6N-LIB/AROM6N-LIB-B
Includes:
EPROM for LIB-200

Document # 15744	"Field Change Procedure for the AM2020 and AFP1010"
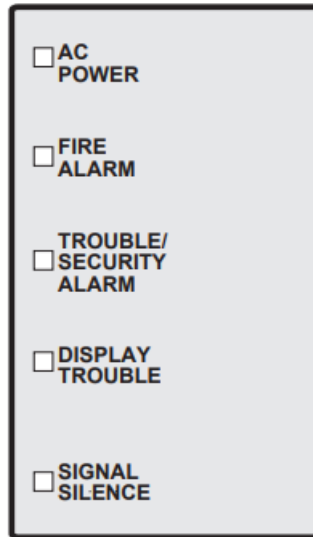
15454 Mylar Security LED Overlay When software is upgraded to this level, the label shown above must be placed over the existing DIA-2020 LED legend (if the existing legend differs from the above).

AROM6N-SIB

Includes:

EPROM for SIB-2048

Document # 15744	"Field Change Procedure for the AM2020 and AFP1010"

AROM6N-XPP

Includes:

EPROM for XPP-1

Document # 15744	"Field Change Procedure for the AM2020 and AFP1010"
Document # 15888	"The XP Series Transponder System

AROM6N Special Features/Notes for the DIA-2020

Selectable Drift Compensation

This feature makes the NFPA 72-1993, Chapter 6 sensitivity calibrated test for intelligent detectors software selectable.

NOTE: When the software provided with this upgrade kit is installed, the NFPA 72-1993, Chapter 6 Sensitivity Calibrated Test and Drift Compensation features will be automatically disabled. The installer must re-enable Drift Compensation (See the AM2020/AFP1010 Programming Manual, Document 15334) in order to restore the NFPA 72-1993, Chapter 6 Sensitivity Calibrated Test and Drift Compensation features.

UL1076/UL1610 Security

This feature allows the AM2020/AFP1010 to act as a combination fire/security protective signaling system. The AM2020/ AFP1010 is suitable for use as a Grade AA, Grade A, or Grade B Central Station and Proprietary Burglar Alarm Protected Premises and Receiving Unit, only after all installation requirements outlined and programming guidelines described in the AM2020/AFP1010 manuals have been adhered to. This feature utilizes four new software type IDs: SARM, SACM, SSYM, and SEQM in addition to a new control bytime function SDEL.

UL864 Revised Standard for DACT Operation

The Fire Alarm Control Panel must delay the reporting of A.C. power loss to the digital alarm communicator. A new software type ID, DACT, is used with a CMX control module to accomplish this.

Zone Coded Voice

For female zone coded voice, the AMG1 requires the installation of both an AROM6N-AMGZCF chip and a VROM135 chip.

Previous AM2020 Software Releases

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

ROMSC1-2020

- Enhanced Time/Date Input Format
- Keyboard Operation and 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, B, C, D , E & F)

- AMG-1 Address Change
- ALL CALL Function
- AMG-1 Functions
- Dual Stage Operation (for Canada only)
- XPP-1 Relay Mapping Change
- Non-Latching Inputs
- ISIB Isolation
- Annunciators
- CGAS, AMNET, and 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 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

AROM5 (Rev D – F)

- New AMG Boards

AROM5 (Rev G-I)

- 72E 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)

Compatibility Warning

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 and AUTOPLEXOR

This software is not compatible with earlier versions of CGAS, AMNET and AUTOPLEXOR systems. Software in these items must be upgraded for compatibility.

Documents / Resources

	NOTIFIER AM2020 Fire and Security Alarm Control Panel with DIA-2020 Display Interface [pdf] Installation Guide AM2020, AM2020 Fire and Security Alarm Control Panel with DIA-2020 Display Interface, Fire and Security Alarm Control Panel with DIA 2020 Display Interface, Security Alarm Control Panel with DIA-2020 Display Interface, Alarm Control Panel with DIA-2020 Display Interface, Control Panel with DIA-2020 Display Interface, DIA-2020 Display Interface, Display Interface

References

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