

900 SERIES FIRE ALARM



- Field Programmable
- Modem and Printer Interfaces
- Non-volatile History/Configuration Memory
- Password Protected
- Display and/or Point Annunciation
- Multi-Channel Audio
- One/Two Way Firefighter's Communication
- Programmable Switches & Status LEDs
- Alarm Verification
- Detector Drift Compensation
- Auto Detector Test
- Detector Maintenance Alert
- Walk Test and Reports
- Plug-in Terminations for Field Wiring
- Modular, Expandable Design
- Power Limited
- U.L. Listed

The NATIONAL TIME 900 Series Fire Alarm is a modular system which provides the building blocks to create any size system from a small conventional wired system to a large high rise system with intelligent loops and two way communication. The 900 Series Fire Alarm combines an easy to use panel with a highly reliable state-of-the-art addressable analog system. National Time's *Digi Comm* digital communication loops overcome transmission frailties of conventional analog systems. The 900 Series provides a user friendly programming method utilizing a Windows based configuration program. Complete system configuration is downloadable and uploadable from an IBM compatible PC or from remote locations via telephone modems. This insures that the field technician is always working with the latest configuration data and permits panel access to remote technical support.

The virtually limitless combinations of modules available in the 900 series control meet the most wide ranging building requirements. Full function one and two way firefighter's communication is available with programmable zone control switches and dual status LEDs. All *Digi Comm* devices are equipped with U.L. Style 6 or 7 (Class A) or Style 4 (Class B) supervision. *Digi Comm* loops link a network of addressable analog devices, initiating devices, control modules, monitor modules and provide individual control and annunciation using programmable paddle switches each with two status LEDs. Attractive graphic overlays protect all insertable zone/function legends.

Available Modules and Components

See
Bulletin No.

Front Panel and User Controls

A900-CTRL MAIN	Main Controls - 40 Character Backlit LCD, 16 Button Keypad, 3 Programmable Buttons, LEDs	F-346
A900-CTRL ANNUN16	16 ZONE ANNUNCIATOR - 16 Zones of Alarm and Trouble LEDs, Insertable zone/function legends	F-347
A900-CTRL MIC/TEL	16 ZONE MIC/TEL CONTROL - 16 Mic/Tel switches, Connect and Trouble LEDs, Insertable legends	F-347
A900-CTRL AUX8	8 ZONE AUXILIARY CONTROL - 8 Off/Auto/On switches, On/Off LEDs, Insertable legends	F-347
A900-MIC	Microphone with Enclosure - Mounts in the A900-CTRL FRAME and requires an A900-Preamp	F-347
A900-TEL	Firefighter's Handset with Enclosure - Mounts in the A900-CTRL FRAME	F-347
A900-MIC/TEL	Microphone and Firefighter's Handset in same enclosure	F-347

Backplane Modules

A900-COMPUTER	Main Computer - RS232 Port, 32K EEPROM, 100 yr. Clock/Calender	F-338
A900-COMPUTER ISOL	Main Computer for Multi Panels - Isolated RS232/RS485, 32K EEPROM, 100 yr. Clock/Calender	F-338
A900-COMMON UTIL	Common Utility - Two 24VDC 1A outputs, Alarm/Trouble/Sup Relays, Firefighter's phone circuit	F-339
A900-POWER	Power Supply - Dual 24VDC 4A regulated outputs, 5VDC 1A M-bus power, Battery Charger	F-336
A900-DIGICOMM2	Digi Comm - Two addressable device loops. Up to 126 devices per loop	F-340
A900-DIGICOMM+4	Digi Comm Expander - Four additional loops for the Digi Comm 2 module	F-340
A900-PREAMP	Preamplifier - Microphone input, Slow Whoop, Temporal, optional Digital Voice Recorder, Audio Link	F-343
A900-AMPLIFIER	40W Amplifier - 70.7V Amplifier output with Class A or Class B supervision	F-343
A900-SPEAKER 8ZB	Speaker Zone Output - 8 Audio Zone outputs, individually controlled & supervised (Class B)	F-344
A900-IN16B	16 Input Zones - 16 zones for 2 wire initiating devices, Class B supervision	F-345
A900-IN8OUT4	8 Input and 4 Output Zones - Initiating and Indicating zones supervised Class A or Class B	F-342
A900-OUT6	6 Output Zones - Six indicating zones rated 2.5A @ 24VDC, supervised Class A or Class B	F-349
A900-RELAY 16	16 Dry Contact Outputs - Individually controllable Form A auxiliary control relays	F-341
A900-CLASS A ADAPT	Class A Adapter - Converts 8 zones of Telephone, 24VDC risers, or DigiComm Loops to Class A	F-348
A900-POWER EXP	Power Expansion - 24VDC 7.5A Power supply, Filtered unregulated supply	F-336
A900-POWER REG EXP	Regulated Power Expansion - 24VDC 4A Power supply, Filtered and Regulated supply	F-336
A900-XFMR ASSY	Transformer Assembly - 250VA Transformer, Line filter, and terminals on mounting plate	F-336

Peripheral Equipment

A900-PRINTER	Printer - Provides hard copy output of panel status, history, configuration, etc.
A900-MODEM	Modem - Provides panel phone link for remote diagnostics, downloading, uploading, etc
A900-PC	Personal Computer - Provides a graphical user interface communicating on multi-panel network

Enclosures and Hardware

Cabinets and Associated Sheet Metal

A900-BACKBOX	Cabinet - 18"W x 24"H x 6.5"D
A900-CTRL FRAME	Inner Door - Used for mounting all Front Panel and User Control modules. (6 slots)
A900-RACK 8SLOT	Mounting Rails - Used for mounting all Backplane modules. (8 slots)
A900-RACK 11SLOT	Mounting Rails - Used for mounting all Backplane modules. (11 slots)
A900-RACK 14SLOT	Mounting Rails - Used for mounting all Backplane modules. (14 slots)
A900-DOOR SOLID	Outer Door - A900-BACKBOX locking door without window.
A900-DOOR WINDOW	Outer Door - A900-BACKBOX locking door with window.
A900-RIP BOX	Cabinet - Cabinet for mounting Monitor, Control, I/O & Isolation modules remotely. 16" x 11" x 4"

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