“Nohmi Quality” you can trust

Fire Alarm System Product Brochure

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NOTE:
The information contained herein does not purport to cover all the details or variations of the equipment described, nor is it provide for every possible contingency that may be met in connection with its installation, operation or maintenance.

Specifications are subject to change without notice. Contact Nohmi before relying on the information.

Actual performance is based on proper application of the product by a qualified professional.

Should further information be required or should particular concerns arise that are not covered sufficiently for the purchaser’s purposes, the matter should be referred to Nohmi or your nearest distributor.

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We give shape to the
“FUTURE OF FIRE SAFETY”

From the viewpoint of social safety and industrial risk management, there is an increasing demand for improvements in the quality of fire prevention.

Although it is obvious that safety is as important as air, people are only now re-evaluating safety and appreciating its importance.

It is already difficult to ensure safety even when a building is viewed from the simple container concept.

People now have diverse lifestyles so fire protection systems peculiar to the building must be constructed.

As a result, we must understand both how buildings are used and the lifestyles of the occupants.

At the same time, unique, sophisticated fire protection technology is required to also take into account the construction and function of buildings as well as innovations in external cladding and internal finishing materials.

Take a look at our fire alarm systems. Nohmi’s state-of-the-art technology features ingenious design combined with features that make our customers’ lives safer and more comfortable.

Nohmi’s worldwide corporate brand identity, NOHMI, is based on this concept of providing each customer with the most suitable fire protection system for their needs by making the most of our advanced know-how gained over many years.
Addressable fire alarm systems

1. Addressable fire alarm control panels and annunciators

**N3060 fire alarm control panels**
- 2 to 12 loops per FACP
- 127 or 255 addresses per loop selectable
- Max. 3,060 addresses per FACP
- 10.4 inch color touch screen
- NFPA Class A (Styles 6 & 7) and Class B (Style 4) for SLC

**Annunciators for N3060**

1. **[FIRU009-R-LCD]**
   - 40 letters x 4 lines LCD
   - 11 status LEDs
   - Built-in buzzer
   - 6 system control switches
   - Key lock switch to protect system control switch operation
   - Power supply status LED and signal transmission status LED
   - Audible alarm device (Built-in buzzer)

2. **[FIRU009-R-LED]**
   - 16 zone status indicators
   - 6 system status LEDs
   - Built-in buzzer
   - Buzzer silence switch / Visual indicator test switch

3. **PCA-N3060-LDM**
   - 32 LED driver outputs for zone status indicators
   - Consecutive or random zone number assignment available
   - Audible alarm device (Built-in buzzer)

**S508 fire alarm control panel**
- 1 to 4 loops per FACP
- 127 addresses per loop
- Max. 508 addresses per FACP
- 20 letters x 4 lines LCD
- NFPA Class A (Styles 6 & 7) and Class B (Style 4) for SLC

**Annunciators for S508**

1. **[FIRU006-LCD]**
   - 20 letters x 4 lines LCD
   - 10 status LEDs
   - 6 system control switches, ten-key, and arrow keys
   - Key lock switch to protect system control switch operation

2. **[FIRU007-LED]**
   - 14 zone status indicators
   - 6 system control switches
   - Key lock switch to protect system control switch operation

2. Analog addressable fire detectors

**Analog photoelectric smoke detectors**

1. **[FDKU012-PSA]**
   - Low profile, less than 2 inches with the base
   - Wide sensitivity range of 3.4 to 12.0%/m (1.05 to 3.82%/foot)
   - True analog detector
   - UL listed smoke calibration and sensitivity
   - LEDS for 360° viewing
   - 22.0 to 24.0V for working voltage range of SLC
   - UL listed

2. **[FDKU026-D-X]**
   - Very low profile (28.7mm/1.13-inch only in height)
   - Wide alarm set-point range of 3.4 to 11.6%/m (1.05 to 3.69%/foot)
   - True analog detector
   - UL listed smoke calibration and sensitivity
   - LEDS for 360° viewing
   - 22.0 to 24.0V for working voltage range of SLC
   - UL listed

**Analog fixed temperature heat detectors**

1. **[FDLU009-FHA]**
   - 57°C to 85°C (135°F to 185°F) heat sensor
   - Low profile
   - Simple and accurate address setting without mechanical switches
   - UL listed

2. **[FDLU019-D-X]**
   - 57°C to 85°C (135°F to 185°F) heat sensor
   - True analog detector
   - Ambient temperature listing of 0°C to 66°C (32°F to 150°F)

**Analog rate-of-rise/fixed-temp. combination heat detectors**

1. **[FDHU002-RHA]**
   - Adjustable fixed 57°C to 79°C (135°F to 174°F)
   - Rate-of-rise feature
   - UL listed

2. **[FDHU003-D-X]**
   - Very low profile (30.7mm/1.12-inch only in height)
   - Adjustable fixed 57°C to 79°C (135°F to 174°F)
   - True analog detector
   - Rate-of-rise feature
   - UL listed

**Analog photoelectric-smoke/fixed-temp-heat combination detectors**

1. **[FDKL001-PSHA]**
   - Wide sensitivity range of 3.4 to 12.0%/m (1.05 to 3.82%/foot)
   - Low profile
   - Simple and accurate address setting without mechanical switches
   - LEDS for 360° viewing
   - 22.0 to 24.0V for working voltage range of SLC
   - UL listed
3. Addressable detector bases

- 2-terminal base, FZBU013-2Z
  - Standard 2-wire detector base
  - UL listed

- 4-terminal base, FZBU004-AB4
  - Standard 2-wire system with remote indication circuit
  - UL listed

- Isolator base, FZBU005-AIB
  - Short circuit isolator integrated in detector base
  - UL listed

- Sounder base, FZBU005-ASB
  - Integrated sounder in detector base
  - Sound output at 75 dB (UL 464 listed)
  - UL listed

4. Addressable modules

- Twin relay module, FRRU004-TRM4
  - Dry contact addressable module
  - Two typical form C dry contacts at 24VDC
  - 125VAC 0.5A
  - UL listed

- Single contact module, FRRU004-SCM4
  - Input signal addressable module
  - One simple LED for status indication
  - NFPA Class B (Style B) for IDC
  - 22.0 to 24.0V for working voltage range of SLC
  - UL listed

- Dual contact module, FRRU004-DCM4
  - Input signal addressable module, two inputs
  - One simple LED for status indication
  - NFPA Class A (Style D) and Class B (Style B) for IDC
  - One address in Class A, two addresses in Class B
  - UL listed

- Conventional initiating zone module, FRRU004-CIZM4
  - Addressable module for conventional detectors
  - One simple LED for status indication
  - NFPA Class A (Style D) and Class B (Style B) for IDC
  - 15.7 to 22.0V output voltage range of IDC
  - UL listed

- Monitored output module, FRRU004-MOM4
  - Wet output addressable module
  - One simple LED for status indication
  - NFPA Class B (Style B) for IDC
  - UL listed
  - 22.0 to 24.0V for working voltage range of SLC
  - UL listed

- Short circuit isolator, FQIU004-SCI
  - One simple LED for status indication
  - UL listed
  - 22.0 to 24.0V for working voltage range of SLC
  - Simple and accurate address setting without mechanical switches

- Miniature contact module, FRRU004-MCM
  - Simple and accurate address setting without mechanical switches
  - NFPA Class B (Style B) for IDC
  - 5.1kΩ, 1/2W end-of-line resistor for IDC
  - 22.0 to 24.0V for working voltage range of SLC
  - UL listed

- Wet output module 4-circuit, 1 address, FRRJ001A-Y-S
  - 1 address with 4 circuits
  - Return signal per circuit for device activation confirmation
  - UL listed
  - 24.0V for rated operating voltage of SLC
  - Simple and accurate address setting without mechanical switches
  - Slim unit

Analog photoelectric projected beam smoke detector, FDGJ002-D-X

- Wide and high coverage within 100m distance
- Sensitivity drift compensation for contamination or a slight shift in the optical system
- Light synchronized system to prevent false alarms
- Simple and accurate address setting without mechanical switches
- 24VDC for rated operating voltage of SLC
**Wet output module 16-circuit, 4-address, FRRJ001A-Y-4S**
- 4 addresses with 16 circuits
- Return signal per circuit for device activation confirmation
- Circuits applicable to input signals
- 2A maximum voltage output per circuit
- Dry typical form A contact for return signal
- 24.0V for rated operating voltage of SLC
- Simple and accurate address setting without mechanical switches
- Slim unit

**Dry contact module 4-circuit, 1 address, FRRJ001A-Y-SS**
- 1 address with 4 dry contacts and 4 inputs
- Return signals or input signals available
- Dry typical form A contact at 30VDC, 2A rating
- 24.0V for rated operating voltage of SLC
- Simple and accurate address setting without mechanical switches
- Slim unit

**Dry contact module, 16-circuit, 4-address, FRRJ001A-Y-4SD**
- 4 addresses with 16 dry contacts
- Dry typical form A contact at 30VDC, 2A rating
- 24.0V for rated operating voltage of SLC
- Simple and accurate address setting without mechanical switches
- Slim unit

**Addressable module for gas detector, FRRJ001-Y-G**
- 1 address with 4 circuits
- 1 gas detector per circuit connectable
- Model KP35B for LPG and model KN35B for natural gas manufactured by Fuji Electric connectable
- 24.0V for rated operating voltage of SLC
- Simple and accurate address setting without mechanical switches
- Slim unit

**Addressable module for initiating device 4-address, FRRJ001-Y-4F**
- 4 consecutive addresses per unit
- NFPA Class B (Style B) for IDC
- Nohmi conventional fire detectors compatible
- 24.0V for rated operating voltage of SLC
- Simple and accurate address setting without mechanical switches
- Slim unit

**Addressable module for initiating device 16-address, FRRJ001-Y-16F**
- 16 consecutive addresses per unit
- NFPA Class B (Style B) for IDC
- Nohmi conventional fire detectors compatible
- 24.0V for rated operating voltage of SLC
- Simple and accurate address setting without mechanical switches
- Slim unit

**System monitoring program, CN1016N**
- Max. 198,840 addresses configurable per SMP
- Max. 64 nodes available on network
- Remote monitoring of networked system via VPN
- Max. 1,000,000 symbols available per SMP
- DXF & DMP data applicable to floor plans
- Group functionality same as FACP
- Current event list
- Event log for up to 50,000 events per SMP
- Analog value trend indication
- Sensor monitoring
- 4 system control switches
- Designed for Microsoft Windows XP, Vista, 7, 8, and 10
- 1,000 event log
- Functions programmable at site
- 20 programmable dry contacts
- 10,000 event log
- Status LEDs
- 110V and 240V for AC universal input

**System interface unit, CSC004**
- NFPA Styles 4 and 7 wiring applicable
- Max. 64 nodes available on network
- Max. length between two nodes as 600m for copper/metal cable, 2,000m for 50/125 fiber optic cable, 1,700m for 62.5/125 fiber optic cable, and 5,000m for 9/125 fiber optic cable
- 24.0V for rated operating voltage of SLC
- Status LEDs
- 110V and 240V for AC universal input

**Address setting unit**
- 4 addresses with 16 circuits
- Return signal per circuit for device activation confirmation
- Circuits applicable to input signals
- 2A maximum voltage output per circuit
- Simple and accurate address setting without mechanical switches
- Slim unit

**Conventional fire alarm systems**

1. **Conventional fire alarm control panels**

   **1 zone without telephone system, FAP230N-1L**
   - Dedicated 1 zone fire alarm system
   - Simple fire alarm functionality
   - Various test functions
   - Status LEDs
   - 110V and 240V for AC universal input

   **5 zones without telephone system, FAPN202-R-5L**
   - Dedicated 5 zones fire alarm system
   - Simple fire alarm functionality
   - Various test functions
   - Self-diagnosis system
   - Built-in surge arrester for power lines
   - Back-up power supply (Ni-Cd battery)
   - 220V, 50/60Hz for AC input

   **10 and 20 zones with telephone system, FAPN105N series fire alarm control panels**
   - 10 and 20 zones fire alarm system available
   - Various test functions
   - Self-diagnosis system
   - Mis-operation inhibit function
   - Built-in surge arrester for power lines
   - Built-in telephone system
   - 25 programmable dry contacts
   - 10,000 event log
   - Functions programmable at site
   - 220V, 50/60Hz for AC input
   - Back-up power supply (Ni-Cd battery)

   **30 to 100 zones with telephone system, FAPN104N series fire alarm control panels**
   - 30 to 100 zones fire alarm system available
   - Various test functions
   - Self-diagnosis system
   - Mis-operation inhibit function
   - Built-in surge arrester for power lines
   - Built-in telephone system
   - Fire zone indication by both zone plates and digital display
   - 220V, 50/60Hz for AC input
2. Conventional fire alarm annunciators

- **5 zones without telephone system**, FIPN203-5-5L
  - Dedicated to 5 or less 5 zones fire alarm system
  - Zone plate indication with red LEDs
  - Audible device (electronic buzzer) equipped

- **10 to 100 zones with telephone system**, FIPN103 series annunciators
  - 10 to 100 zones fire alarm system applicable
  - Zone plate indication with red LEDs
  - Audible device (electronic buzzer) equipped

3. Conventional spot type smoke detectors

- **FDK246 series** - FDK246, FDK246N, FDK246-X
  - Very low profile
  - 2-wire system
  - 24VDC for rated operating voltage
  - Remote indication circuit available (FDK246-X)

- **FDK01U**
  - Low profile
  - 2-wire system
  - 10.2 to 36.8VDC wide working voltage range (nominal 24VDC)
  - Small monitoring current of 45μA
  - Remote indication circuit available
  - UL listed

4. Conventional projected beam smoke detectors

- **FDG series** - FDGJ103-D-X, FDGJ203-D-X
  - Simple optical axis setting
  - Optical remote test switch for easy maintenance
  - 24VDC for rated operating voltage

5. Conventional rate-of-rise heat detectors

  - Low profile
  - 2-wire system
  - Remote testing mechanism available (FDPJ206-D-T)
  - Response lamp holding circuit available (FDPJ206-D-M)
  - Remote indication circuit available (FDPJ206-D-X)
  - 30VDC 75mA for contact ratings

6. Conventional fixed temperature heat detectors

- **FDLJ series** - FDLJ906-D-65, FDLJ906-DW-65, FDLJ106-DW-X75, FDLJ106-DW-S75
  - 65°C or 75°C operating temperature
  - 2-wire system
  - Physical protector equipped
  - Alarm response lamp (LED)
  - Remote indication circuit available (FDLJ906-DW-X75)
  - Dry contact circuit available (FDLJ106-DW-S75)
  - 30VDC 75mA for contact ratings (62mA for FDLJ106-DW-S75)

7. Conventional flame detector

- **FDCJ002-D-X**
  - Infrared type
  - CO2 resonance radiation principle, operation on flickering flame
  - 2-wire system
  - 13 to 20m monitoring distance
  - 24VDC for rated operating voltage

8. Conventional gas detectors

- **Liquefied natural gas detector KN-35D**
  - Catalytic combustion for gas detection
  - 4-wire system (2-wire for power, 2-wire for connection to control panel)
  - 24VDC for rated operating voltage
  - 3 voltage output signals for fault (0V), monitoring (6V) and alarm (12V)

- **Liquefied petroleum gas detector KP-35D**
  - Catalytic combustion for gas detection
  - 4-wire system (2-wire for power, 2-wire for connection to control panel)
  - 24VDC for rated operating voltage
  - 3 voltage output signals for fault (0V), monitoring (6V) and alarm (12V)

Aspirating smoke detection system

**Conventional aspirating smoke detector**

- **ProtecView FDNJ002U-R**
  - Super-high to low level sensitivity from 0.001 to 20.0%/m
  - Total scattered light detection principle
  - Large flow rate fan
  - Bar graph smoke density indicator
  - 24VDC or 100VAC for rated operating voltage
  - Stand-alone system product
  - UL listed
  - FM approved
1. Notification appliances

- **Fire alarm bells - FBM01U-D, FBM023, FBM023-D, FBM023Z-D, FBW013-EA**
  - Motor driven type alarm bell
  - High sound output with low current consumption
  - Low RFI noise
  - Lead wire connection
  - 24VDC for rated operating voltage

- **Electronic buzzer FBZ11**
  - Piezoelectric controlling method
  - Continuous and intermittent soundings available
  - 24VDC for rated operating voltage

- **Strobe S-24WR**
  - Low profile
  - Field selectable candelas options of 15, 30, 60, 75, and 110
  - NAC synchronization feature with Nohmi addressable FACPs or dedicated modules
  - Instant voltage verification feature
  - 24VDC for rated operating voltage

- **Horn EH-24R**
  - Low profile
  - NAC synchronization feature with Nohmi addressable FACPs or dedicated modules
  - Instant voltage verification feature
  - 12VDC or 24VDC for rated operating voltage

- **Strobe/Horn HS-24WR**
  - Low profile
  - NAC synchronization feature with Nohmi addressable FACPs or dedicated modules
  - Instant voltage verification feature
  - 12VDC or 24VDC for rated operating voltage

2. Manual stations

- **FMMN, FMRN, FMBN series – FMMN102-U, FMMN102-U2, FMMN202-U, FMRN102-U, FMBN102-U, FMBN102-UW**
  - Cutting-edge compact design
  - Push-button type
  - Addressable and conventional types available
  - 30VDC 500mA (FMMN & FMRN) for contact ratings
  - Telecommunication means provided (except for FMMN102-U)
  - NAC synchronization feature with Nohmi addressable FACPs or dedicated modules
  - Instant voltage verification feature
  - 24VDC for rated operating voltage

- **FMM01U series - FMM01U-SK2, FMM01U-SK1**
  - Single or dual action pull down activation
  - Key reset
  - 30VDC 1A or 125VAC 1A for switch contact ratings
  - Terminal connectors
  - Gold plated SPST and contacts
  - High-gloss enamel finish
  - Plastic break rod
  - UL listed

3. Location lamps

- **FLPJ series – FLPJ002, FDPJ002-W, FLPJ004, FLPJ004-W**
  - Cutting-edge new design
  - Noticeable red color
  - Low current and high durability
  - Outdoor type available

- **Horn EH-24R**
  - 24V AC/DC rated operating voltage

- **Strobe/Horn HS-24WR**
  - 24VDC for rated operating voltage

- **Location lamp EC2A-110M**
  - ExdIIBT4 for explosion class and ignition grade
  - 24V AC/DC rated operating voltage

4. Remote indicator lamps

- **FLL series - FLL061-B, FLL061-C**
  - White cover plate and red LED with translucence lamp cover
  - Two sizes available (70mm x 115mm and 65mm x 88mm)
  - 50mA maximum rated current

5. Combination boxes

- **FWLN series**
  - Three-in-one composition (location lamp, manual station, alarm bell)
  - Cutting-edge new design
  - Surface and recess mountings available
  - Easy installation and maintenance

6. Explosion proof devices

- **Manual station FMEJ201-RG(1/2 R10)**
  - Flame proof and explosion-proof product
  - ExdIIC(T6) for explosion class and ignition grade
  - Location lamp equipped
  - Applicable to both indoor and outdoor uses
  - 24VDC for rated operating voltage

- **Fire alarm bell EMB-6 DC24V**
  - Rain proof and explosion proof product
  - ExdIIBT4 for explosion class and ignition grade
  - 24VDC for rated operating voltage

- **Fixed temperature heat detector FDL120 series - FDL120-E-60~150**
  - 60 to 150°C temperature detection range
  - d, 2, 64 for explosion proof construction, explosion class, and ignition grade
  - 30VDC 100mA for contact ratings
7. Fire door closing devices

- SLDJ004 series – SLDJ004-U-E, SLDJ004-U-M
  - Latch type
  - Electrical resetting type and manual resetting type available

8. Miscellaneous

- Protector for heat & smoke detectors FZP012-L
- Telephone handset SC-PA1

9. Lightning arrester units

- FZL116N series – FZL116N-40L (40 terminals), FZL116N-80L (80 terminals)
  - [Arrester unit and diode unit]
    - 60VDC or less for max. permissible circuit voltage
    - DC or not more than 150kHz for frequency band
    - Impulse protection performance
    - * In normal mode –Between any two lines
      * Initial max value 350V or less
      * Max. value during operation 20V or less
    - 20kA for impulse current (at impulse current waveform of 80/20μS)
  - [Protector]
    - 200V/200V for applicable circuit voltage

Emergency voice alarm communication systems

1. Multiplex network system

- NFMX series
  - [Master panel NFMX-MP]
    - True multiplex 6-channel networked audio
    - Modular system
    - Integrated 2-channel digital message repeater
  - [Fire phone station MX-FS]
    - Coil cord / Thumb turn latch cabinet
    - Red, surface / semi-flush mount
  - [Warden station MX-WS]
    - Amored cable / Thumb turn latch cabinet
    - Red, surface / semi-flush mount
  - [Telephone cabinet]
    - Holds 6 MX-FH portable handset
    - Charcoal gray (std) or red, surface / semiflush mount
  - [Telephone jack]
    - Brushed stainless steel single gang plate
  - [Portable handset]
    - Red color

2. Conventional systems

- NFVP series–NFVP-25/50/100, NFVP-150/200
  - 8 megabyte MP3 driver with message capacity of 20 minutes
  - 25/50/100 watt bullet-proof amplifier for NFVP-25/50/100, 150/200 watt for NFVP-150/200
  - 25 or 70 VRMS field selectable Class A/B speaker circuit
  - Live microphone override of message and tone
  - Studio quality voice recordings built-in alarm and alert signals
  - 3 minutes message restart on microphone key
  - Backup battery
  - 240V 50Hz for AC input