

CFP-16

Conventional Extinguishing Agent Releasing Control Panel



Conventional Fire Systems

INTUITIVE | RELIABLE | FLEXIBLE | SMARTER

GENERAL

The CFP-16 Agent Releasing Panel is an 8 or 16 zone Fire Alarm Control Panel for extinguishing agent releasing application. The CFP-16 agent release panel provides reliable fire detection and protection for commercial, industrial and institutional buildings requiring agent-based releasing.

With usability as a key focus for development and utilizing industry leading manufacturing and testing practices, the CFP-16 will provide an easy to use and powerful detection and control system for all conventional detection applications.

The standard panel is equipped with 8 detection zones but may be extended to 16 Zones by the addition of an 8 Zone expansion module and incorporates one Extinguishing Agent Release zone module. The module provides for connection of visual warning devices and Local Control Stations (LCS)

The system can be configured for either single or dual activation (double interlock) prior to release. Adjustable time delays between second stage alarms and agent release are also provided.

FEATURES

- 8 Zones – expandable to 16 Zones
- 2 x 40 character LCD display providing a simple user friendly interface
- 24 character programmable zone descriptor
- Each zone can be configured for a range of different device type functions
- Outputs may be programmed for different functional and cause & effect requirements
- Dual risk operation – from three risk inputs
- Field devices;
 - Local Control Station (LCS)
 - Range of warning signs
- Adjustable discharge delay timer
- Output contacts for
 - Alarm (Level 1) & Alarm (Level 2)
 - System Fault
 - Automatic/Manual operation
 - Discharge (complete/initiated)
- 5A Extinguishing agent releasing device output



- Local Control Station fitted to enclosure
- Compact 5 Amp system power supply and charger
- Optional programmable OWS with control, display and microphone module
- Optional 8 way programmable relay modules
- Optional Pyrozone interface
- Two cabinet sizes 650 mm and 900 mm

Initiating Device Circuits (Zones)

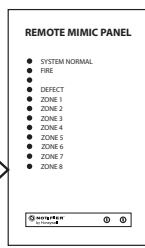
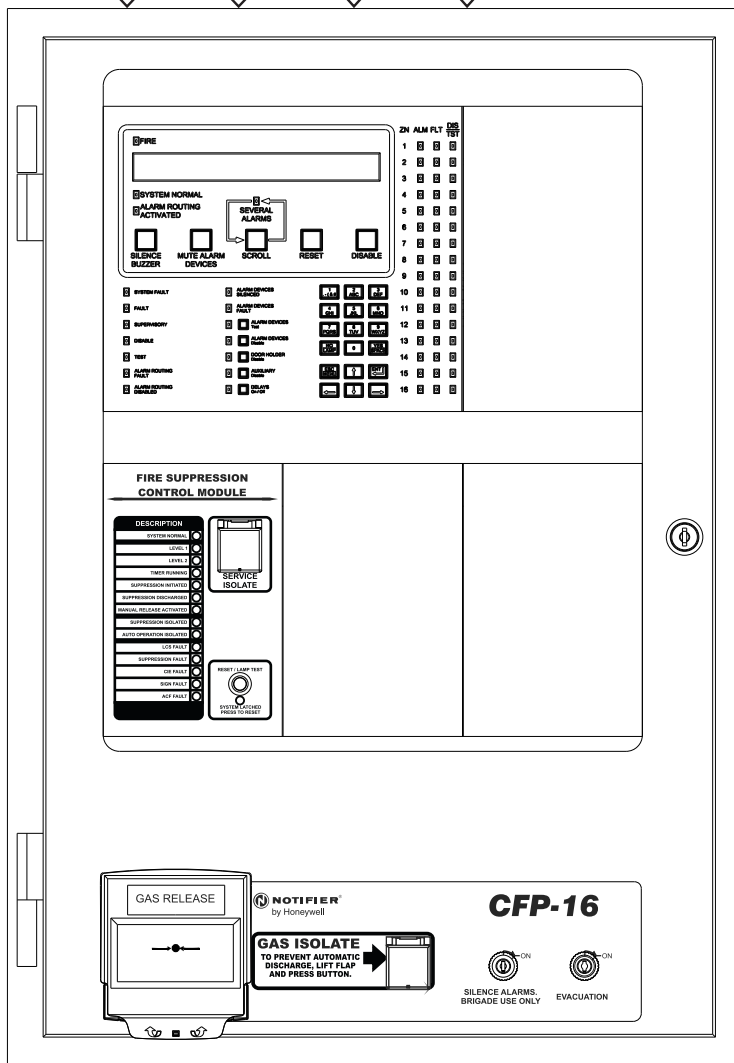
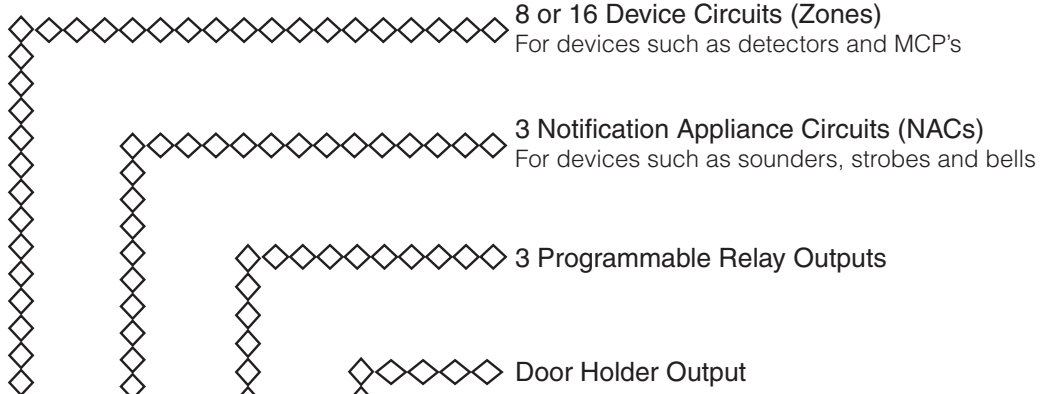
- 8 or 16 zone interface circuits
- Up to 40 devices per zone
- Compatible with SYSTEM SENSOR 100 series devices (refer to CFP-16 manual for complete list of compatible devices)

Notification Appliance Circuits (NACs)

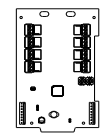
- Three independently programmable output circuits
- All circuits are power-limited and supervised by 4k7 Ohm End of Line (EOL) resistor.
- Up to 1A power per NAC

Releasing Device Output (Gas Head)

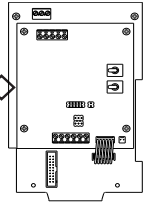
- One releasing device output power-limited and supervised by IFS-1125 or 4k7 Ohm End of Line (EOL) resistor.
- Up to 5A power output



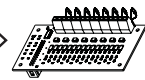
ZMS/425RF-8ZI
ZMS/900RF-8ZI
Slim Remote Zone Index



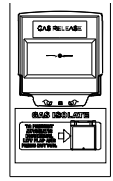
ACM-8RA
8 Relay Expansion Module



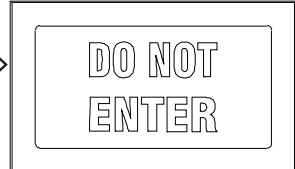
SGD Interface
Interface to NZ Fire Service



ZEM-8
8 Zone Expansion Module



LCS
Local Control Station



Warning Signs

CFP-16 Agent Release Connection Overview

Warning Sign Outputs

- Three warning output circuits for single level, dual level and system inoperative signs
- One output circuit for Auxiliary control (ACF)
- All circuits are power-limited and supervised by 4K7 Ohm End of Line (EOL) resistor.
- Up to 1A power per output Auxiliary Output

Warning Sign Outputs

- Three independently programmable relay outputs, preconfigured for Alarm and Fault (normally energized).
- Auxiliary power output (internal only).
- One Door Holder output circuit, fused at 3A.
- Independent relay contacts provided by the agent release module for Agent discharged, Alarm (level 1), Alarm (level 2), System Fault (normally energized) and Automatic/Manual Operation

NOTE: The total power requirement of the FACP and any additional NAC and Auxiliary outputs must not exceed the capacity of the installed power supply system.

PRODUCT LINE INFORMATION

FG-32-014 - CFP-16/650F-8Z-PS5-DA30-8R-GZ-LCS:

CFP-16 Fire control panel with Agent release control card, 8 Zones, 5.6A PSU, (Including: EBCO switches, Door switch), ACM-ZM 8 Zone mimic interface Module, DA-30 - 30 Watt building occupant warning system, ACM-8RA 8 way Relay module, Agent Release Module Kit, LCS – Agent release local control station, installed in a CAB650 enclosure.

FG-32-017: CFP-16/650F-8Z-PS5-8R-GZ-LCS: As above but with no DA-30 – 30 Watt building occupant warning system

FG-32-015 - CFP-16/900F-8Z-PS5-DA30-8R-GZ-LCS:

CFP-16 Fire control panel with Agent release control card, 8 Zones, 5.6A PSU. Including: EBCO switches, Door switch, ACM-ZM 8 Zone mimic interface Module, DA-30 – 30 Watt building occupant warning system, ACM-8RA 8 way Relay module, Agent Release Module Kit, LCS – Agent release local control station, installed in a CAB900 enclosure.

FG-32-018 - CFP-16/900F-8Z-PS5-8R-GZ-LCS: As above but with no DA-30 – 30 Watt building occupant warning system

MA-01-018 - CAB650/BB: Battery box enclosure for additional capacity; holds up to two 33AH batteries

ASY-01-039 - ZEM-8: Eight zone expansion module; to expand from eight to sixteen zones.

ASY-01-026 - AEM-ZM: IFS-721 8 zone mimic expansion card

ASY-02-022 - ACM-8RA: Relay module which provides eight individually configurable (C/NO/NC) relay contacts.

ASY-01-048 - SGD: SGD interface to suit CFP-16NZ

ASY-01-043 - ANP: Annunciator name plate

SPECIFICATIONS

System Capacity

- Initiating device circuits (zones) 8 or 16
- ACM-ZM 4
- ACM-8RA 28
- Expansion modules (total) 32
- Local Control Stations 10
- Warning Signs (per output) 7

Electrical Specifications

AC Power: NPS-5 fitted: 240vac, 0.8A, 50Hz.

Battery: Two 12V Sealed lead Acid batteries. Battery charger capacity: 7AH-85AH (CAB650 and CAB900 enclosures hold maximum of two 33AH batteries)

Initiating Device Circuits: Power-limited, supervised circuit. End-of-Line Resistor: 4k7 ohm, ½ watt.

Notification Appliance Circuits: Power-limited, supervised circuit. Maximum current per circuit: 1.0A. End-of-Line Resistor: 4k7 ohm, ½ watt.

Programmable Relays: Contact Rating: 1.0A @ 30V DC (resistive)

Door Holder Output: Powered output protected by automotive fuse. Rating: 3.0A @ 30V DC (resistive)

Auxiliary Power (internal only): 24VDC power limited output for auxiliary devices installed within enclosure.

SPECIFICATIONS CONT'D

Cabinet Specifications

CAB650: 650mm(h) x 450mm(w) x 190mm(d)

CAB900: 900mm(h) x 450mm(w) x 190mm(d)

CAB650/BB: 300mm(h) x 450mm(w) x 190mm(d)

Material: 1.2mm Zinc Sealed Steel

All cabinets are powder-coated charcoal texture. Dulux code: 88351

Temperature And Humidity

This system has been certified for operation at 0° to 55°C and at a relative humidity 10% to 93%

AGENCY LISTINGS AND APPROVALS

Certified to NZS4512:2010

FPA Register # NI/102



ISO9001
FS 520324
QUALITY SYSTEMS

This document is not intended for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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