

Panel de Control de Incendio / 6 Zonas Convencionales / Acción Previa y Diluvio / Doble Riesgo / 4 Salidas Programables / NFPA 13 15 16

SKU: MRP2001 Marca: FIRE-LITE Categoría: Convencionales

Garantía: 3 años

$26,689.23

Precios con IVA incluido

DESCRIPCIÓN

Panel de control de incendio de 6 zonas convencionales diseñado para aplicaciones de acción previa (preaction) y diluvio en riesgo simple o doble. Destinado a edificios comerciales, industriales e institucionales que requieren liberación de agua conforme a las normas NFPA 13, 15 y 16. Acepta dispositivos de entrada convencionales de 2 y 4 hilos, estaciones manuales y módulos de supervisión. Incorpora temporizadores de descarga y remojo, capacidad de zona cruzada con doble enclavamiento, y salidas programables para NAC o circuitos de liberación. Ofrece tres relevadores Form-C configurables para señalización de alarma, falla y supervisión.

Características Generales
Seis zonas convencionales (IDC) estilo B, con opción a estilo D (Clase A)
Cuatro salidas programables como NAC o circuitos de liberación, 7.0 A en total
Operación de doble riesgo con temporizador de descarga y dos temporizadores de remojo
Capacidad de zona cruzada (doble enclavamiento) para evitar disparos accidentales
Compatible con detectores System Sensor i3 (aviso de limpieza y señal de congelamiento)
Tres relevadores Form-C programables para alarma, falla y supervisión
Diseñado conforme a NFPA 13, 15 y 16 para sistemas de supresión con agua

Desempeño
Zonas convencionales: 6 IDC estilo B / opción estilo D Clase A
Salidas programables: 4 (NAC o circuitos de liberación)
Corriente total de salidas: 7.0 A
Operación: Riesgo simple o doble
Temporizador de descarga: Integrado
Temporizadores de remojo: 2
Zona cruzada: Doble enclavamiento
Relevadores: 3 Form-C programables (alarma, falla, supervisión)
Compatibilidad: Detectores System Sensor i3
Normativa: NFPA 13, NFPA 15, NFPA 16

Físicas / Eléctricas
Tipo de dispositivos: Convencionales de 2 y 4 hilos
Entradas: Detectores, estaciones manuales, módulos de supervisión
Aplicación: Acción previa (preaction) y diluvio

Contenido del Paquete
Panel de control de incendio MRP-2001
Documentación de instalación y operación

ESPECIFICACIONES

Característica 1	**Operación de doble riesgo con temporizador de descarga y dos temporizadores de remojo**
Característica 2	**Zona cruzada con doble enclavamiento para prevención de disparos accidentales**
Característica 3	**Cuatro salidas configurables como NAC o circuitos de liberación de 7.0 A**
Característica 4	**Tres relevadores Form-C programables para alarma, falla y supervisión**
Característica 5	**Compatible con detectores System Sensor i3 con aviso de limpieza y señal de congelamiento**
Característica 6	**Seis zonas IDC estilo B con opción a estilo D Clase A para mayor flexibilidad de cableado**

MEMORIA TÉCNICA · MRP2001

Número de parte de esta ficha: MRP2001. La información corresponde a esta variante.

DF-60237:C3 • 3/6/2017 — Page 1 of 4
MRP-2001(E)
Deluge - Preaction Control Panel
Conventional Control Panels
DF-60237:C3 • A2-300
MRP-2001.jpg
General
The MRP-2001 is a six-zone FACP for single and dual hazard deluge and preaction applications. The MRP-2001 provides reliable fire detection, signaling and protection for commercial, industrial and institutional buildings requiring water-based releasing. The MRP-2001 is compatible with System Sensor's
i
3
- detectors which are conventional smoke detectors that can transmit a maintenance trouble signal to the FACP indicating the need for cleaning and a supervisory 'freeze' signal when the ambient temperature falls below the detector rating of approximately 45°F (7.22°C). In addition, the control panel is compatible with conventional input devices such as two-wire smoke detectors, four-wire smoke detectors, pull stations, waterflow devices, tamper switches and other normally-open contact devices. Refer to the Fire•Lite Device Compatibility Document for a complete listing of compatible devices.
Four outputs are programmable as NACs (Notification Appliance Circuits) or releasing circuits. Three programmable Form-C relays (factory programmed for Alarm, Trouble and

Supervisory) and 24 VDC special application resettable and non-resettable power outputs are also included on the main circuit board. The MRP-2001 supervises all wiring, AC voltage, battery charger and battery level.

Activation of a compatible smoke detector or any normally-open fire alarm initiating device will activate audible and visual signaling devices, illuminate an indicator, display alarm information on the panel's LCD, sound the piezo sounder at the FACP, activate the FACP alarm relay and operate an optional module used to notify a remote station or initiate an auxiliary control function.

The MRP-2001E offers the same features as the MRP-2001 but allows connection to 240 VAC. Unless otherwise specified, the information in this data sheet applies to both the 120 VAC and 240 VAC versions of the panels.

Features

- Listed to UL Standard 864, 9th edition.
- FM Approved.
- Designed for sprinkler standards NFPA 13, 15 and 16.
- Dual hazard operation.
- Adjustable waterflow discharge timer and two soak timers.
- Cross-zone (double-interlock) capability.
- Six programmable Style B (Class B) IDCs (Initiating Device Circuit).
- System Sensor i
3
- series detectors compatible.
- Four programmable Style Y (Class B) output circuits - (special application power).
- Strobe Synchronization:
–System Sensor
–Wheelock
–Gentex
–Faraday
–Amseco
- Three programmable Form-C relays.
- 7.0 amps total 24 VDC output current.
- Resettable and non-resettable output power.
- Built-in Programmer.
- ANN-BUS for connection to optional devices (up to 8 total of any of the following):
–ANN-80 Remote LCD Annunciator
–ANN-I/O LED Driver
–ANN-S/PG Printer Module
–ANN-RLY Relay Module
–ANN-LED Annunciator Module
- 80-character LCD display (backlit).
- Real-time clock/calendar with daylight savings time control.
- History log with 256 event storage.
- Piezo sounder for alarm, trouble and supervisory.
- 24 volt DC operation.
- Low AC voltage sense.
- Outputs Programmable for:
– Releasing circuits or NACS
- NACs programmable for:
– Silence Inhibit
– Auto-Silence
– Strobe Synchronization
– Selective Silence (horn-strobe mute)
– Temporal or Steady Signal
– Silenceable or Non-silenceable
– Release Stage Sounder
- Disable/Enable control per input zone and output zone.
- Extensive transient protection.
- Automatic battery charger with charger supervision.
- Optional Dress Panel DP-51050 (red).
- Optional Trim Ring TR-CE (red) for semi-flush mounting the cabinet.
- Optional CAC-5X Class A Converter Module for Outputs and IDCs.

- Optional 4XTMF Municipal Box Transmitter Module.
- Optional Digital Alarm Communicators (411, 411UD, 411UDAC).
- Optional ANN-SEC card for a secondary ANN-BUS.

PROGRAMMING AND SOFTWARE:

- Custom English labels (per point) may be manually entered or selected from an internal library file.
- Three programmable Form-C relay outputs.
- Pre-programmed and custom application templates.
- Continuous fire protection during online programming at the front panel.
- Program Check automatically catches common errors not linked to any zone or input point.

USER INTERFACE:

- Integral 80-character LCD display with backlighting.
- Real-time clock/calendar with automatic daylight savings adjustments.
- ANN-Bus for connection to remote annunciators.
- Audible or silent walk test capabilities.
- Piezo sounder for alarm, trouble, and supervisory.

Controls and Indicators

LED INDICATORS

- FIRE ALARM (red)
- SUPERVISORY (yellow)
- TROUBLE (yellow)
- AC POWER (green)
- ALARM SILENCED (yellow)
- DISCHARGE (red)

CONTROL BUTTONS

- ACKNOWLEDGE
- ALARM SILENCE
- SYSTEM RESET (lamp test)
- DRILL

AC Power – TB1

- MRP-2001: 120 VAC, 60 Hz, 3.66 amps.
- MRP-2001E: 240 VAC, 50/60 Hz, 2.085 amps.
- Wire size: minimum #14 AWG (2.0 mm

2
) with 600V insula-
tion.
- Supervised, nonpower-limited.
Battery (sealed lead acid only) – J12:
- Maximum Charging Circuit - Normal Flat Charge: 27.6
VDC @ 1.4 amp. Supervised, nonpower-limited.
- Maximum Charger Capacity: 26 Amp Hour battery (two
18 Amp Hour batteries can be housed in the FACP cabinet.
Larger batteries require separate battery box such as the
BB-26 or BB-55).
- Minimum Battery Size: 7 Amp Hour.
Initiating Device Circuits - TB4 and TB6
- Alarm Zones 1 - 5 on TB4.
- Alarm Zone 6 on TB6.
- Supervised and power-limited circuitry.
- Style B (Class B) wiring with Style D (Class A) option.
- Normal Operating Voltage: Nominal 20 VDC.
- Alarm Current: 15 mA minimum.
- Short Circuit Current: 40 mA max.
- Maximum Loop Resistance: 100 Ohms.
- End-of-Line Resistor: 4.7K Ohms, 1/2 watt (PN 71252).
- Standby Current: 4 mA.
Refer to the Fire•Lite Device Compatibility Document for listed
compatible devices.
Notification Appliance and Releasing Circuit(s) - TB5 and
TB7
- Four Output Circuits.
- Style Y (Class B) or Style Z (Class A) with optional con-
verter module.
- Special Application power.
- Supervised and power-limited circuitry.
- Normal Operating Voltage: Nominal 24 VDC.
- Maximum Signaling Current: 7.0 amps (3.0 amps special
application, 300 mA regulated maximum per NAC).
- End-of-Line Resistor: 4.7K Ohms, 1/2 watt (PN 71252).
- Max. Wiring Voltage Drop: 2 VDC.
Refer to the Fire•LiteDevice Compatibility Document for com-
patible listed devices.
Form-C Relays - Programmable - TB8
- Relay 1 (factory default programmed as Alarm Relay).
- Relay 2 (factory default programmed as fail-safe Trouble
Relay).
- Relay 3 (factory default programmed as Supervisory
Relay).
- Relay Contact Ratings:
–2 amps @ 30 VDC (resistive)
–0.5 amps @ 30 VAC (resistive)
Auxiliary Trouble Input – J6
The Auxiliary Trouble Input is an open collector circuit which
can be used to monitor external devices for trouble conditions.
It can be connected to the trouble bus of a peripheral, such as
a power supply, which is compatible with open collector cir-
cuits.
Special Application Resettable Power - TB9
- Operating Voltage: Nominal 24 VDC.
- Maximum Available Current: 500 mA - appropriate for
powering 4-wire smoke detectors (see note 1).
- Power-limited Circuitry.
Refer to the Fire•Lite Device Compatibility Document for com-
patible listed devices.
NOTE: Total current for resettable power, nonresettable power
and Output Circuits must not exceed 7.0 amps.
Special Application Resettable or Nonresettable Power -
TB9
- Operating Voltage: Nominal 24 VDC.
- Maximum Available Current: 500 mA (see note 1).
- Power-limited Circuitry.
- Jumper selectable by JP31 for resettable or nonresettable
power.
Refer to the Fire•Lite Device Compatibility Document for com-
patible listed devices.

Product Line Information
MRP-2001: Six-zone, 24 volt Deluge-Preaction Control Panel
(includes backbox, power supply, technical manual, and a
frame & post operating instruction sheet) for single and dual
hazard deluge and preaction applications.
MRP-2001E: Same as above but allows connection to 240
VAC.
NOTE: For ULC-listed model, see DF-60441.
CAC-5X: Class A Converter Module can be used to convert
the Style B (Class B) Initiating Device Circuits to Style D (Class
A) and Style Y (Class B) Output Circuits to Style Z (Class A).
NOTE: Two Class A Converter modules are required to convert all
four Output Circuits and six Initiating Device Circuits.
4XTMF: Transmitter Module provides a supervised output for
local energy municipal box transmitter and alarm and trouble
reverse polarity. It includes a disable switch and disable trou-
ble LED.
ANN-80(-W): LCD Annunciator is a remote LCD annunciator
that mimics the information displayed on the FACP LCD dis-
play. Recommended wire type is unshielded. (Basic model is
red; order -W version for white; see DF-52417.)
ANN-LED: Annunciator Module provides three LEDs for each
zone: Alarm, Trouble and Supervisory. Ships with red enclo-
sure (see DF-60241.)
ANN-RLED: Provides alarm (red) indicators for up to 30 input
zones or addressable points. (See DF-60241).
ANN-RLY: Relay Module, which can be mounted inside or out-
side the cabinet, provides 10 programmable Form-C relays.
(See DF-52431.)
ANN-S/PG: Serial/Parallel Printer Gateway module provides a
connection for a serial or parallel printer. (See DF-52429.)
ANN-I/O: LED Driver Module provides connections to a user
supplied graphic annunciator. (See DF-52430.)
ANN-SEC: The ANN-SEC module provides a secondary
ANN-BUS port for more wiring flexibility. (See #53944.)

DP-51050: Dress panel (red) is available as an option. The dress panel restricts access to the system wiring while allowing access to the membrane switch panel.
TR-CE: Trim-ring (red) is available as an option. The trim-ring allows semi-flushing mounting of the cabinet.
BB-26: Battery box, holds up to two 26 Amp Hour batteries and CHG-75.
BB-55: Battery box, houses two 55 Amp Hour batteries.
BAT Series Batteries: Refer to DF-52397.
PRN-6F: UL-listed compatible event printer. Dot-matrix, tractor-fed paper, 120 VAC.
PRN-7: UL-listed compatible event printer. Dot-matrix, tractor-fed paper, 120 VAC.
PRT-PK CABLE: Programming cable. Used to update the FACPs Flash firmware. (Also requires an RS485 to RS232 converter).

This document is not intended to be used 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.
For more information, contact Fire•Lite Alarms. Phone: (800) 627-3473, FAX: (877) 699-4105.
Assembled in the USA
System Capacity
- Annunciators 8
Electrical Specifications
- MRP-2001 (FLPS-7 Power Supply): 120 VAC, 60 Hz, 3.66 amps.
- MRP-2001E (FLPS-7 Power Supply): 240 VAC, 50/60 Hz, 2.085 amps.
- Wire size: minimum 14 AWG (2.0 mm²) with 600 V insulation, supervised, nonpower-limited.
Cabinet Specifications
Door: 19.26" (48.92 cm.) high x 16.82" (42.73 cm.) wide x 0.72" (1.82 cm.) deep. Backbox: 19.00" (48.26 cm.) high x 16.65" (42.29 cm.) wide x 5.25" (13.34 cm.) deep. Trim Ring (TR- CE): 22.00" (55.88 cm.) high x 19.65" (49.91 cm.) wide.
Shipping Specifications
Weight: 20.7 lbs. (9.4 kg)
Dimensions:
–Height 20.00" (50.80cm)
–Width 22.50" (57.15cm)
–Depth 8.50" (21.59cm)
Temperature and Humidity Ranges
This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.
NFPA Standards
The MRP-2001(E) complies with the following NFPA 72 Fire Alarm Systems requirements:
–NFPA 13 Installation of Sprinkler Systems
–NFPA 15 Water Spray Fixed Systems
–NFPA 16 Deluge Foam-Water Sprinkler and Foam-Water Spray Systems
–NFPA 72 National Fire Alarm Code for Local Fire Alarm Systems and Remote Station Fire Alarm Systems (requires an optional Remote Station Output Module)
Agency Listings and Approvals
The listings and approvals below apply to the basic MRP-2001(E) and MRP-2001(E)E fire alarm control panels. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.
- UL: S624
- FM approved
- CSFM: 7165-0075:0216
- MEA: 333-07-E
NOTE: For ULC-listed model, see DF-60441.
FireLite® Alarms® and System Sensor® are registered trademarks of Honeywell International Inc.
of this document is strictly prohibited.
SYSTEM SPECIFICATIONS

RimeIT · Toluca, Estado de México · Comprobante interno NO fiscal · si requieres CFDI 4.0 solicítalo en tu cuenta de cliente. | 09/11/2026 16:44