

1-1-1973

FM-1601 Firemark Product Description

Firemark a division of Rixson Inc.

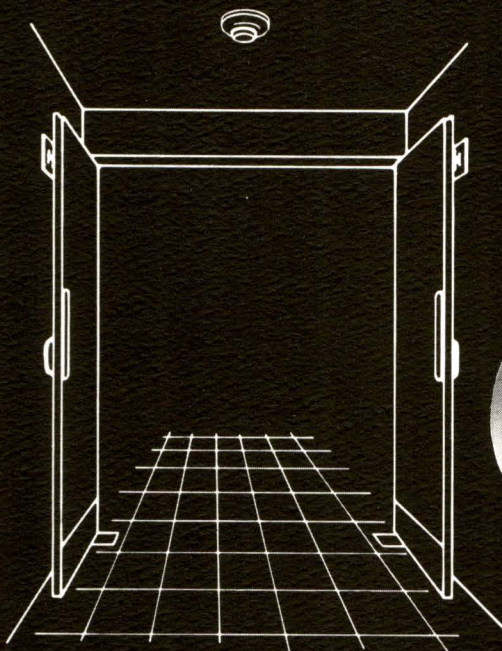
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FM-1601

- ***New Compact, Low-Profile Design***
- ***Self-Monitoring***
- ***Senses Products of Combustion Other Than Heat***

The FM-1601 is a self-contained ionization detector capable of detecting products of combustion from smoldering or incipient fires at their earliest stages.

The new Firemark device can be used to activate electromagnetic door holder-releases to guard against the dangerous spread of smoke...or sound fire alarm bells and shut down ventilating systems.

Provides early warning life safety and high value property protection for all commercial, industrial and institutional buildings.

LISTINGS:

Listed by Underwriters Laboratories, Inc.

FEATURES:

- Pulsed diode pilot light provides continuous visual indication of proper operation...visible from 50-60 feet...solid state design eliminates bulb filament burn-out.
- Separate sensitivity adjustment.
- Unit is self-supervising for component failure as well as line failure.
- Remote reset switch supplied with each detector.
- Satin aluminum finish.
- One year warranty.

FM-1601 Ionization Fire Detector



FIREMARK[®]

A Division of **RIXSON** Inc.

INSTALLATION PLANNING:

1. **Door Release Service.** Firemark's principal application of the FM-1601 is to release doors equipped with electromagnetic and Smok-Chek™ door holder-releases. It may be used for independent door control or tied into a total detection/alarm system. For door control, detectors should be located on the ceiling within 5' of the door opening. If the opening has a wall section over the door (greater than 2' in depth from the ceiling), one detector should be located on **both sides** of the opening, within 5'. A wall-mounted detector should be located within 12" but not closer than 6" to the ceiling.
2. **Open Area Protection.** Detector spacing should not exceed area coverage of 1,000 sq. ft. or approximately 30' on the center, for smooth ceilings in areas free of unusual air movement. For applications requiring higher sensitivity or areas of unusual air movement—such as computer rooms—closer spacings are recommended.
3. **Instructions.** Complete wiring, installation and start-up instructions are furnished with each unit.

TECHNICAL SPECIFICATIONS:

DIODE PILOT LIGHT

- Normal (non-alarm) operation – light pulses once a second
- Alarm condition – light is on continuously
- Trouble condition – light is off

POWER REQUIREMENTS

Normal Operation or Alarm Condition
120 VAC 50-60 hz 50 milliamp
24 VAC 50-60 hz 160 milliamp

ELECTRICAL DATA

Alarm Relay – one set SPDT and one set normally open contacts
Contact Rating – 0.5 amp inductive @ 120 VAC
Trouble Relay – one set normally open (closed in normal operation)
Contact Rating – 0.1 amp, 120 volts inductive

OPERATIONAL LIMITS

Velocity Limits – 300 feet per minute
Temperature – 0 to 150°F
Humidity – 0 to 95% RH

MOUNTING REQUIREMENTS:

The 6½" diameter unit mounts on a 4" square x 2½" deep outlet box.
Total projection – 2"

SHIPPING/PACKAGING:

Packed one per carton, including mounting screws and installation instructions.
Shipping weight – 1½ lbs.

TO ORDER:

Specify FM-1601 and voltage to be used. See suggested specification for complete details.

Manufacturers of the most complete line of fire/life safety "door control" products.

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FM-1601 Ionization Fire Detector



FIREMARK®

A Division of **RIXSON** Inc.

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