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SBM CDR Description : Equipment Index & Data Sheets

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Package Description : Gaseous Fire Fighting System Package

Vendor P. O. Reference :

Vendor Document Number : KD-1802-AK-006

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For Remote Releasing Module

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Notes

Remote Releasing Module (RRM)



FEATURES

- Up to 64 RRM's Per Signaling Line Circuit
- Supports Both Gaseous and Pre-Action/Deluge Sprinkler Systems
- Triple R Protection Against Inadvertent Extinguishing-System Activation
- Versatile Mounting Configurations
- Internal Communication and External Power Supervision
- UL Listed
- FM Approved
- CSFM Approved

DESCRIPTION

The Remote Releasing Module (RRM) is a SmartOne® field device connected to the SLC of compatible control unit to provide the ability to remotely activate extinguishing-system control devices. The control unit's SLC supports a maximum of 64 RRM's. Up to 16 RRM's can be configured for simultaneous group activation, with a maximum of 4 groups.

Release circuits are power-limited and supervised for short circuit by using an In-line Releasing-Circuit Device (P/N 06-220023-001). In the event of a ground fault, open, short or a relay contact failure, the device will transmit a trouble status to the compatible control unit.

PROGRAMMING

As with any SmartOne device, addressing can be implemented from the hand-held programmer (P/N 70-600000-100) or from the compatible control unit keypad menu. A 24VDC power supply is required for the RRM to program with a hand-held programmer.

STATUS LED

A status LED is mounted on the unit and indicates the module's status.



INSTALLATION

The RRM can be mounted in the following ways:

P/N 70-600000-001 : Standard Mounting

- North American 4-11/16 in. electrical box with a double gang plaster ring (Rayco Model 841 or equivalent), 1/2 in. raised
- 4 in. square, 2-1/8 in. deep electrical box

P/N 70-600000-002 : In-Cabinet Mounting

- Any UL-864 Listed enclosure with no other electronics.

SPECIFICATIONS

CIRCUIT CHARACTERISTICS

Activation:

- Up to 64 RRM's per SLC (Activated Consecutively)
- Up to 4 Groups of 16 RRM's per group (RRM's in a group activate simultaneously, groups activate consecutively)

Releasing Circuit Output Current:

- 2.4A Max @ 24.0 VDC

Operating Voltage:

- 24 CVDC Nominal

Trouble Circuit Input

- 4.7K End of Line Resistor "Open" contact = normal condition

Power Consumption

- From Power Supply:
 - Normal, Standby: 6.1 mA
 - Alarm: 45 mA
- From SLC:
 - Normal, Standby: 410 µA
 - Alarm: 410 µA

SHIPPING WEIGHT

- 10.5oz (298g)

OPERATING TEMPERATURE RANGE

- -32°F to 120°F, (0°C to 49°C), Indoor/Dry location use only

OPERATING HUMIDITY RANGE

- 93% ±2% RH at 90°F ±3°F (32°C ±2°C),

CONSTRUCTION

- High Impact Polymer Faceplate with a 16 gauge Aluminum Bracket

ACCEPTABLE WIRE SIZE:

- Terminal connections support wiring from #18 AWG to #12 AWG. Wire sizes determine electrical box depth.

LED PULSE MODES:

- Normal, Standby:
 - flash at 9-second repetition rate
- Output Active:
 - On steady
- Trouble:
 - Off

The following power supplies are compatible with the power supplies

Description	Manufacturer	Part Number
Multi-Zone Power Supply Assembly	Fenwal	89-300020-001
24 VDC, 1A Auxiliary Power Output of FN6000 Control Uni, Qty 2 (See Note 1)	Fenwal	74-600000-001 and 74-600000-501
24 VDC, 3A Power Supply, red enclosure	Altronix	AL 400ULXR
24 VDC, 3A Power Supply, grey enclosure	Altronix	AL 400ULX
24 VDC, 6A Power Supply, red enclosure	Altronix	AL 600ULXR
24 VDC, 6A Power Supply, grey enclosure	Altronix	AL 600ULX
24 VDC, 8A Power Supply, red enclosure	Altronix	AL 1024ULXR
24 VDC, 8A Power Supply, grey enclosure	Altronix	AL 1024ULX

Notes:

1. Both auxiliary circuits may be wired together to obtain 2 A at 24 VDC.
2. Altronix power supplies may be ordered through an authorized Altronix dealer. For a list of dealers, visit www.altronix.com or call (888) 258-7669.