Remote Display/Control Module Model RDCM

Kidde Fire Systems
A UTC Fire & Security Company

FEATURES

- *80-Character LCD Display*
- *Up to 15 Modules per ARIES™ System*

- *May be located up to 4,000 Feet from Control Unit*
- *Full Complement of Functional Keys and LEDs*

DESCRIPTION

The Model RDCM Remote Display/Control Module provides an additional point of event reporting and operator intervention/control for a Kidde® Fire Systems intelligent system. It features an 80-character LCD display that duplicates all the information on the main-control-unit display.

The Model RDCM contains the following functional keys:

- Event Acknowledgment
- Alarm Silence
- System Reset
- Display Scroll

There are twelve digit/navigation keys that enable full menu functionality.

The six system-level LEDs correspond to the following general conditions:

- Module Power
- Alarm
- Pre-Alarm
- Alarm Silence
- Supervisory
- Trouble

The Model RDCM communicates with the control unit via an external RS-485 communications circuit, with the most-remote module capable of being located up to 4,000 feet from the control unit. Up to 15 RDCMs can be connected in a bus configuration to the RS-485 communications circuit.

The Model RDCM can be powered from the control-unit's power supply, or from an external, regulated, and power-limited power supply Listed for use with fire-protective-signaling systems, depending upon the total load of the remote outputs. A typical external power supply is Kidde P/N 297106.

INSTALLATION

The Model RDCM is supplied in an enclosure that is suitable for surface or semi-flush mounting.

Refer to Figure 1 for module-mounting dimensions.

ELECTRICAL

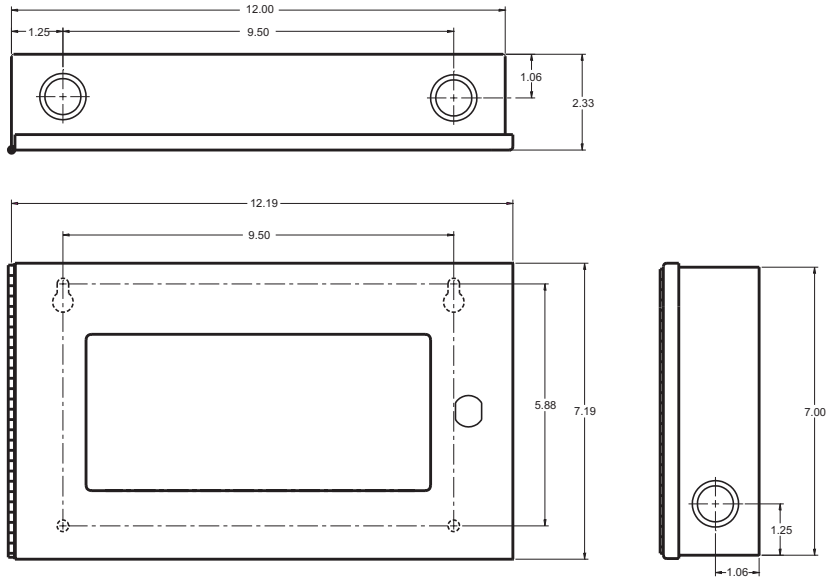|	
Network Wiring:	Style 4, Supervised and Power-Limited
Wire Type:	Twisted, Shielded, Low-Capacitance Fire-Alarm Wire (Recommended)
Wire Size:	#18 AWG (minimum)
Maximum Network Wiring Distance:	4,000 Feet
Communications:	Per RS-485 Standard
Operating Voltage:	24 Vdc (nominal)
Standby Current:	0.064 A
Alarm Current:	0.085 A
Maximum RDCM: (per control unit)	15

Figure 1. RDCM Mounting Dimensions

MECHANICAL

Dimensions: 12.19 in. W x 7.19 in. H x 2.33 in. D

Weight: 4.8 lb.

ENVIRONMENTAL

Operating Temperature: 32°F to 120°F (0°C to 49°C)

Relative Humidity: 85% at 90°F (non-condensing)

ORDERING INFORMATION

Part Number	Description
76-600000-005	RDCM in Red Enclosure
76-600000-010	Red Trim Ring

This literature is provided for informational purposes only. KIDDE-FENWAL, INC. assumes no responsibility for the product's suitability for a particular application. The product must be properly applied to work correctly.
If you need more information on this product, or if you have a particular problem or question, contact KIDDE-FENWAL, INC., Ashland, MA 01721. Telephone: (508) 881-2000.

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