Remote Display/Control Module Model RDCM



Effective: March 2007

K-76-601

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-Capaci-

15

tance Fire-Alarm Wire (Recom-

mended)

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)

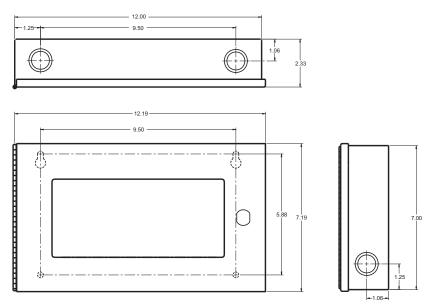


Figure 1. RDCM Mounting Dimensions

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

Kidde is a registered trademark of Kidde-Fenwal, Inc. ARIES is a trademark of Kidde-Fenwal, Inc.

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.



400 Main Street 400 Main Street Ashland, MA 01721 Ph: 508.881.2000 Fax: 508.881.8920 www.kiddefiresystems.com