

# FenwalNET™ Remote Display Module & Remote Display Control Module



A UTC Fire & Security Company

F-74-235

## FEATURES

- Remote Display Control Module (RDCM) mimics display and control faceplate of FenwalNET™ 2000 control panel
- Remote Display Module (RDM) mimics display faceplate of FenwalNET 2000 control panel
- Linkable into FenwalNET peer-to-peer network for network display and control functions
- Backward compatible with all existing FenwalNET 2000 control panels with appropriate central control module (NCCM)
- RS-485 multi-drop configuration provides wire runs of up to 4000 feet from the FenwalNET 2000 control panel

## DESCRIPTION

The Remote Display Control Module (RDCM) and the Remote Display Module (RDM) function as remote addressable adjuncts to the FenwalNET™ 2000 control panel and mimic the control panel's LCD and LED front displays. The RDCM also provides access to the FenwalNET 2000 panel and FenwalNET network via emulation of the panel's control switches and tactile response numeric keypad. The RDM is a "read-only" device.

The RDCM communicates with the FenwalNET 2000 control panel via an RS-485 interface (single pair, #18 AWG, twisted/shielded wires) in a multi-drop configuration capable of supporting up to 31 remote modules. The installation of RDCMs and RDMs can be in any combination so long as the maximum number for each module (16 RDMs, 15 RDCMs) is not exceeded.

Remote 24 VDC power is required and can be provided by the FenwalNET 2000 PSU or a separate supply which is UL listed for fire-alarm applications. In either instance, remote power is supervised by the RDCMs and RDMs with power failure indicated locally and at the FenwalNET 2000 control panel.



With the proper password, the RDCM operator-interface function and numeric keys can control FenwalNET 2000 and FenwalNET 2000 network-critical operations: Acknowledge, silence, reset, scroll, and menu access.

The FenwalNET 2000 control panel or one RDCM can be programmed as the master unit to control the system under alarm or fault conditions. Operation of an alternate (non-master) unit will grant this module exclusive control of the system for a period of 30 seconds. To prevent conflicting inputs under these conditions, attempts to input from another module will prompt a lockout-display message on the module attempting the interrupt. Under all conditions, the master will have immediate system control.

The RDCM thus provides total system and network control contained within a miniaturized package.

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**SPECIFICATIONS****ELECTRICAL**

Input Voltage: 24 VDC  
Supervisory Current: 64 mA  
Alarm Current: 85 mA  
RS-485 Network: Up to 4000 ft. from Fenwal-  
NET control panel using #18  
AWG twisted/shielded wire  
Maximum RDCM/RDMs: 31 modules, consisting of up  
to 15 RDCMs (max.) and 16  
RDMs (max.)  
Wiring Style: NFPA Style 4, Class "B"

**MECHANICAL**

Dimensions: 12.05 in. W x 7.156 in. H  
Weight: 4 lbs., 13 oz.

**ENVIRONMENTAL**

Operating Temperature: 32F (0°C) - 120°F (49°C)  
Operating Humidity: 95% non-condensing

**ORDERING INFORMATION****REMOTE DISPLAY CONTROL MODULE**

P/N 74-300000-502

**REMOTE DISPLAY MODULE**

P/N 74-300000-501

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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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