



HVACR CONTROL SYSTEM FRONT-END FOR SMALL FORMAT APPLICATIONS

Modelled on the market-leading DMTouch, the miniDM utilises the same software interface in a compact, cost-effective package to provide a central control point on-site for HVACR systems. Capable of managing up to 32 independent devices, the miniDM is perfectly suited for small footprint applications such as convenience stores, shops, and pharmacies.

The miniDM contains the robust user-friendly software of the DMTouch housed in a small, DIN rail mountable hardware format resembling RDM's Mini Intuitive line of controllers. Despite its compact size, the miniDM features 16GB of storage as standard, allowing for years' worth of vital data, logs, documents and more to be stored at 15 second intervals internally in the device. It provides data analysis, alarm handling, and local and remote visibility of up to 32 aggregated HVACR control devices in small format retail and commercial buildings.

Overview

In addition to management of RDM IP-networked controllers, the miniDM follows RDM's 'open protocol' philosophy, allowing third-party devices to be integrated with the control system using communication protocols such as Modbus or BACnet. Its ability to host a TDB program along with local I/O and CANbus expansion capabilities makes it a versatile tool that can provide custom solutions for the many processes found in sites such as convenience stores.

The full software interface is accessible via a direct USB to PC connection, or through a LAN or WAN using only a standard web browser. Integration with ActiveFM, RDM's enterprise monitoring software, provides facility managers remote access and a dashboard view of hundreds of sites. A built-in 2.4" full-colour TFT LCD and six pushbuttons can be used for setup and configuration or viewing device status.

Key Features

- Control-system front-end capabilities for up to 32 devices
- Can host one TDB program containing up to 4,096 blocks
- Communication via Modbus and BACnet protocols
- Support for a range of energy-saving features
- Up to 32 remote defrost scheduling channels
- Local I/O for monitoring and use with a TDB program
- Local IP for device monitoring and secondary IP networks for remote access, including integration with ActiveFM

Feature/Accessory Highlights

FEATURE	PART NUMBER
miniDM	PR0680 CD NF MDM
Modbus TCP/IP Interface	PR0470-MD
BACnet Interface	PR0471-MD-BAC
IP Network Support	PR0481-MD
Energy-Saving Features	PR0474MD to PR0479MD
Secondary IP Adaptor/Enabler	PR0486
TDB (4096 blocks)	PR0485-MD
TDB Lite (100 blocks)	PR0485-MD-LITE
Web Services	PR0490-MD-EWS



Remote Monitoring



Remote Access



Energy Saving



Open Protocols

5

Five Year Warranty

Technical Specifications

FEATURE	SPECIFICATION
Onboard Storage	16GB SSD
Inputs	6 Temperature Probe Inputs. Probe types supported (PT1000 (default), 470R, 700R, 2K, 2K25, 3K, 5K, 6K, 10K, 10K(2), 100K), 4 Digital Inputs
Outputs	5 Relays, 2x Pulse Width Modulation (PWM)
Universal I/O	4 (Analogue out/Analogue in)
Onboard Expansion / Interfaces	1x Micro USB OTG Port, 1x USB A Port, 1x Ethernet RJ45 Port, 1x CANbus Port
Power	Supply Voltage Range: 24 Vac \pm 10% OR 24 Vdc \pm 10% Supply Frequency: 50 – 60 Hz \pm 10% (AC only) Maximum Supply Current: 1.8 Amp Typical Supply Current: <1 Amp
Environmental	Operating Temperature: -20°C to +65°C (-4°F to +149°F) Operating Humidity: 80% maximum
Dimensions	W x H x D: 157mm x 101mm x 67mm (6.2in x 4in x 2.6in)
Certifications	CE FC  