



Features

- ▶ 16 Position backlit keypad
- ▶ Multi-reader technology support
- ▶ 32 Character LCD Display
- ▶ Function key programmability
- ▶ Custom text display
- ▶ Static discharge protected
- ▶ UL 294 Recognized

Benefits

- ▶ User-friendly interactive link to system
- ▶ Improves overall system ease-of-use
- ▶ Brings select display, control functions beyond the system console

The **MRDT display terminal** provides an interactive link to an access system. In addition to improving the system's general usability, it can bring display and control functions historically limited to the system console to anywhere in the facility.

The MRDT displays text as sent by the controller, providing access and alarm status feedback or other freeform messaging or instructions that the system generates. This freeform messaging allows for the development of applications beyond that of access control. When connected to the Mercury family of intelligent controllers, the MRDT provides truly integrated functionality at the display terminal.

The MRDT combines a 32-character LCD display, a multiposition keypad and a reader port, all in a single package. Even in challenging settings, the back-lit LCD yields clear information displays. The keypad features standard numerics and 4 function keys to select display options. Deployed with the Mercury family of access platforms, the MRDT is capable of creating custom tasks with any of the functions keys, which mimic system command console functionality at the doorway. The reader port supports Wiegand, magnetic stripe and proximity devices. The unit connects to the system via either a 2-wire RS-485 link or a TTL connection. Menu-driven configuration is easily conducted at the keypad.

Application Notes

The MRDT display terminal is a core component that provides robust communications functionality within Mercury's building block approach to system design. When combined with Mercury's EP or AP series of intelligent access platforms, the unit brings an interactive link and truly integrated functionality to the terminal, a major plus for end-user convenience and satisfaction. The MRDT's flexible messaging also allows for easy expansion of system Benefits functionality beyond access control.

Technical Specifications

Door Control:

Displays time: 12 or 24 hour format
Prompt user during door cycle
-Access granted
-Access denied
-Enter PIN
Customized text displayed

Direct Text Output:

Host issued commands
Procedure initiated commands

Extended User:

Prompts user for command

Commands:

Echoes back entries
Command feedback

Primary Power:

12Vdc +/-15%, 175 mA
(not including reader power)
Serial Port Port 1: 2-wire RS-485
(twisted pair w/shield)

Reader Port:

Power: Pass through
Card : Two wires: Clk/Data or
Data1/Data0

LED:

Two wire or one-wire bi-color support

Buzzer:

Only with 'one-wire' LED

Keypad:

4 x 4, backlit

Display:

2 lines, 16 characters/line, backlit
7.5mm character height typical

Dimensions:

6.75" W x 5.0" L x 1.0" D
(172mm W x 127mm L x 25mm D)

Temperature:

0–50 °C operational, -20–70 °C storage

Humidity:

0 to 95% RHNC

Mounting:

Surface mount or 3-Gang Box

Standards:

UL 294 Recognized, CE Compliant, RoHS



The Authentic Mercury open platform delivers quality assurance derived from the most proven and reliable hardware in the industry. Driven by our engineering excellence and technology leadership. Authentic Mercury hardware is designed as an access control platform that easily encompasses emerging technologies, changing industry standards and evolving system environments. Make yours Authentic, Make sure its Merc.