MICROTERM

CICP1100 Single Door Intelligent Controller

Continental INSTRUMENTS

The Microterm (CICP1100) has 2 inputs, 1 tamper alarm and 3 outputs, and is housed in a steel enclosure.

Microterm is a single-door intelligent controller designed to be installed at or near the protected door. The Microterm is capable of controlling all access control functions for one door, including two-reader support. The two-reader configuration is generally used for in-reader and out-reader applications. It is possible to use the Microterm's 2-reader configuration on two separate doors with certain limitations. This distributed processor-based panel will operate as a standalone unit in the event server communications is interrupted. The Microterm is programmed via CIC CardAccess® software program. Once programmed, the controller does not require continuous server communications, as it automatically stores system transactions in its internal memory. The Microterm (CICP1100) has 2 inputs, 1 tamper alarm and 3 outputs, and is housed in a steel enclosure.

The Microterm accepts industry standard Wiegand output devices and supports virtually all card/reader technologies. Proximity, Biometric, Magnetic Stripe, Barcode, Wiegand, Barium Ferrite, Keypad and Smart Readers are easily connected and controlled. The Microterm can store multiple card (bit) formats in its internal memory, making it a cost-effective retrofit panel. Supporting multiple bit formats allows existing card populations and readers to remain in place. An optional standby battery is available, providing 4-6 hours standby power. The Microterm includes a lithium battery for up to one year of data protection.

Up to 63 CIC Intelligent Controllers (Microterm, Miniterm, Smarterm or Superterm) can be intermixed on the same communications network. (A maximum of 31 Microterms are permitted on each network.) Multiple communication networks (ports) can be connected to the CardAccess® server for maximum system expansion. Controller communication choices include: hardwire (repeat or multi-drop mode), LAN/WAN, dial-up or fiber optics for maximum flexibility. The Microterm supports RS232 and RS422 communication formats for optimal system configuration.

*This Intelligent Controller is UL Listed for UL294 (Access Control System Unit), UL1076 (Proprietary Burglar Alarm Unit) and UL1950 (Information Technology Equipment).***

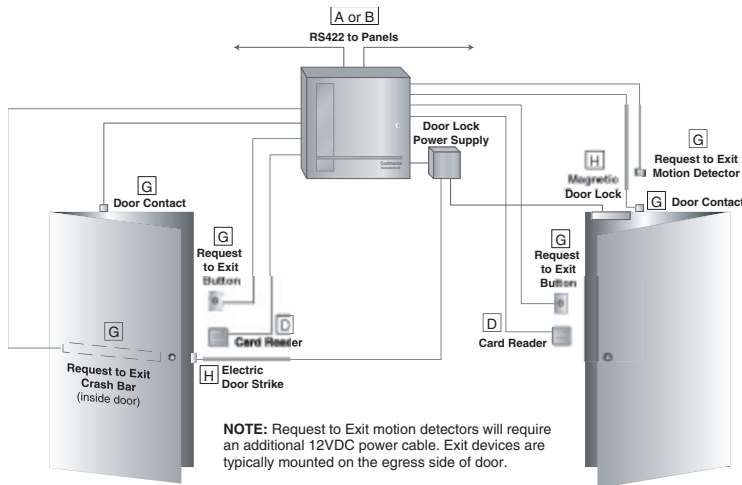| Microterm Capacities	
Cards	1400 standard
Readers (5-wire)	1 or 2 (Wiegand output)
Keypads (5-wire)	1 or 2 (Wiegand output)
Keypads (7-wire)	1 X-Y Matrix type
Readers w/Keypad	1 5-wire Reader with 1 X-Y Matrix Keypads
Standard Inputs	2 (Supervised)
Expanded Inputs	N/A
Standard Outputs	3 Form C rated at 3A@24VDC/VAC
Expanded Outputs	N/A
Transaction Buffer	1000 Standard (exp. to 30,000)
Time Schedules	128
Access Groups	1000
Holidays	50
Reader Power	100mA@5VDC
Battery Backup	4-6 hours (optional)
Enclosure	Size 7.5"H x 7.5"W x 2"D, 2lbs.
UL Listings	UL294, UL1076, UL1950**
** UL1950 replaced with EN60950 in Q2/2003	

Microterm Components

QTY.	Part No.	Description
1	CICP1100	Stand-alone single- or two-door controller with standard 1,400 card capacity, 2 alarm inputs, tamper alarm, 3 relay outputs and printer output. Unit ships complete in a steel enclosure.
1	Standard	12VDC Wallmount Power Supply included.
1	Standard	15-conductor wiring Harness included.
1 Optional	CICP1100BAT-2	CICP1100BAT-2 Battery Standby - Input 120VAC, Output 12VDC to temporary power the Microterm only in the event of a power failure.

Typical Door Configuration

See Continental Instruments Configuration Guide for additional detailed system wiring information.

A or B

RS422 to Panels

Door Lock Power Supply

G Door Contact

G Request to Exit Button

G Request to Exit Crash Bar (inside door)

D Card Reader

H Electric Door Strike

H Magnetic Door Lock

G Request to Exit Motion Detector

G Door Contact

G Request to Exit Button

D Card Reader

NOTE: Request to Exit motion detectors will require an additional 12VDC power cable. Exit devices are typically mounted on the egress side of door.

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Continental Instrument's Controllers can connect to the CardAccess Server via hardwire (shown below), LAN/WAN dial-up modem or fiber optics. See the CIC Configuration Guide for additional detailed system information.

CICE1940PL-1 Polling Line Converter RS232 to RS422
Required if server is not located within 50' of 1st panel.

RS422 Repeat Mode Communications Network
4000' max. distance between controllers.
Up to 63 controllers on a Repeat Mode Network.

RS232 Max. 50'

RS422 Max. 4000'

RS422 Max. 4000' — Superterm CICP1800

RS422 Max. 4000' — Superterm CICP1400UL

RS422 Max. 4000' — Superterm CICP1400

RS422 Max. 4000' — Miniterm CICP1200

CardAccess 3000 Database and Communications Server