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CEM SYSTEMS

EtherProx™ Entry

Ethernet Based Single Door Access Control

FEATURES

- Industry's first Ethernet based single door control unit
- Embedded web server for remote database maintenance
- Uses proximity technology for ease of use and cost effectiveness
- Three LED indicators to visually confirm or deny entry
- Suitable for indoor and outdoor installation
- Backlit LCD display shows easy to understand messages for the user
- Keypad for added security
- Supports Entry/Exit configuration for IN/OUT control
- Single piece construction designed for quick and easy installation
- 10 Base-T Ethernet interface on board

OVERVIEW

More than just a card reader the EtherProx™ Entry allows the user to control card administration, database storage, alarm control and more at the unit itself, from a PC or via a web browser.

The EtherProx Entry has an embedded web server, which allows the user to carry out card database administration and diagnostic functions remotely. This means the user can directly access the EtherProx Entry device using a standard web browser from any remote computer or company intranet computer.

Despite its small size, the EtherProx Entry can display messages of up to 32 characters, which provides an administrator or an end user immediate information about a transaction event such as "Access Denied". The unit controls all local door strikes, eliminating the need for additional controllers or I/O (Input/Output) units.

The EtherProx Entry device contains its own database of up to 10,000 cards. The reader can make access control decisions independent of the PC, eliminating the need for a control panel in the system design. A PIN number can be allocated to some or all of the cards for additional security.

PRODUCT HIGHLIGHTS

Door Control Unit Installation

The enclosure is designed to mount directly onto a standard UK or European (French) electrical containment box (USA installations require a simple adapter plate), meaning that standard conduit and fittings may be used.

Card Technology

The EtherProx Entry door control unit uses proximity technology under licence from the HID Corporation. The following cards are supported:

Type of Card	Read Range
ISOProx® II Card	76mm (3.0in)
ProxCard™ Plus Card	38mm (1.5in)
ProxCard® II Card	76mm (3.0in)
ProxKey™ II Fob	25mm (1.0in)

Remote Administration

A standard web browser enables the user (with correct log-on password), to carry out card database administration and diagnostic functions remotely. This means that the user can access the EtherProx Entry device from any remote computer or company intranet computer.

Local Database	Storage of up to 10,000 cardholders
	3V Lithium back-up battery to retain database
Exit Control	Supports exit control with InfoProx Exit door control unit
Local Set Up Facility	To configure settings such as LCD contrast, mode of operation, reader address, relay contacts (normally open/closed)
Built-in Diagnostics	To test LED indicators, read heads, inputs, network communications, keypad and database size

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TECHNICAL SPECIFICATIONS

Installation Requirements
Minimum internal depth of mounting box is 25mm (1.0in)
12V Power supply
2 pair cable to exit reader
5 pair (max) for inputs and outputs
2 pair CAT 5 cable for Ethernet
Cables terminated into 2 part screw connectors
Secured to wall with two stainless steel security screws (supplied)
Web Browser Minimum Microsoft® Internet Explorer V5.5 or above

Communication Interfaces
To Exit Reader	RS485 Over Copper Wire
RS485 Transmission	1,200m (3,937 ft) without repeater
To Host Ethernet	10 Base-T TCP/IP CAT 5 USTP Cable

Operational/IO Interfaces
Inputs	Four analog inputs (Transguard protected)
Outputs	One volt free relay output rated 30V DC 5A Suppression device (diode, MOV etc) may be required at load One on board sounder

Electrical
DC Voltage	7-15V
Current Consumption	140mA (passive) 250mA (peak)

Mechanical
Dimensions (H x W x D)	86 x 86 x 22mm (3.4 x 3.4 x 0.87in)

Unit Weight
With connectors	222.7g (7.9oz)
Without connectors	210.7g (7.4oz)
Liquid Crystal Display	Two line by 16 character supertwist LCD with backlight
Keypad	12 character, standard layout, tactile response keypad
LED Indicators	Three high intensity LED indicators red, green and amber
Security Features	Concealed anti-tamper screws, tamper sensor, flame retardant polycarbonate enclosure containing fully encapsulated electronics

Environmental
Suitable for external use
Operating Temp. Range	-20º to 50ºC (-4º to 122º F)
Humidity	100%

Product Codes
SPASS-EPE-100-A	EtherProx Entry USA
SPASS-EPE-100-B	EtherProx Entry EMEA

Options
SPASS-IPX-100-A	InfoProx Exit USA
SPASS-IPX-100-B	InfoProx Exit EMEA