CEM SYSTEMS

From Tyco Security Products

S610 Exit Reader
Multi-technology Intelligent IP Reader

Features that make a difference:

- Intelligent IP card reader designed for use as part of the CEM AC2000 access control software range

- Contactless card presentation with optional Personnel Identification Number (PIN) for two stage authentication

- Integral reading support for 125 kHz HID Proximity, 13.56 MHz smartcard technology including DESFire, Mifare, HID iClass, and PicoPass, as well as a multi technology version to support Proximity and Mifare

- Communicates directly with the master reader

- Large graphical LCD which is used to display a number of predefined messages

- Four Analog inputs to monitor door or alarm conditions

- Two changeover relay outputs to activate door strike or other equipment

- Remote programming facility to download updated firmware

- Easy to install

- Weatherproof casing: IP66 rated

- Available in two colours, gray and black

The S610 Exit Card Reader is designed for use as part of an integrated on-line access control system. The Exit Reader is an extension to the master reader, providing a combined total of features at the point of entry.

The IP66 rated polycarbonate enclosure houses the reader electronics and comes with a large 4x3˝ keypad, graphical display screen and three LED indicators.

The S610 Exit reader provides an additional four analog inputs, which can be used to monitor door and alarm conditions for transmission to the host server. All four inputs are four state (tamper detect) capable. Two outputs are also fitted to control the activation of door locks or other equipment.

Host Communications
The S610 Exit Reader has an on-board RS485 connection allowing it to communicate directly with the master reader, removing the need for an intelligent control panel in the system design.

Onboard Card Reading Technologies
Designed for use with all card technologies the S610 Exit Reader device is available with integral reading support for 125 kHz HID Proximity, 13.56 MHz smartcard technology including DESFire, Mifare, HID iClass, and PicoPass, as well as a multi technology version to support Proximity and Mifare. Two additional Wiegand interfaces are available for connecting to other third party readers.

Reader Messages
The S610 Exit Reader has a large graphical LCD which is used to display a number of predefined messages to cardholders depending on their privileges e.g. Wrong Zone, Lost/Stolen Card, Card About to Expire, Access Granted and many more. Messages to be displayed by the S610 Exit Reader can be modified via the AC2000 software or translated into local languages.

Easy to Install
The S610 Exit Reader is designed to be extremely easy to install. The installer simply confirms the master reader settings on the server, provides power, connects to the master reader and the reader self-configures by means of downloading data from the host.

Specifications

Physical

Size	142 x 115 x 44mm (5.6 x 4.5 x 1.7″)
Weight	370g (13oz) with connectors
Housing	Flame retardant polycarbonate containing fully encapsulated electronics
Color options	Dark and Light Gray or Black

Power

Voltage . . . . 9 – 14Vdc

Current Consumption . . . . .

125 kHz Prox	200mA (passive), 320mA (peak)
DESfire	320mA (passive), 480mA (peak)
iClass	290mA (passive), 360mA (peak)
Pico	290mA (passive), 360mA (peak)
MiFare	220mA (passive, 290mA (peak)

Environmental

IP Rating	IP66
Temperature	-20°C to 60°C (-4°F to 140°F)
LED Indicators	Three high intensity LED indicators red, amber and green
LCD Indicators	32 x 122 dots Monochrome Graphics supertwist LCD with backlight
Keypad	12 character, standard layout, tactile response keypad

Functionality

Inputs	Four analog inputs – voltage supplied, 4 state (tamper detect)
Outputs	Two relays fitted – Changeover volt free contacts
Rating	30Vdc @ 5A
Duration	Programmable suppression device (diode, MOV) required at load
Memory	2 MB battery backed memory
Database Battery Backup	3.0V rechargeable Lithium-Ion

Communication Interface

To Master Reader	RS485 multi-drop cable runs master reader to exit reader 2 Wiegand interfaces with maximum length of 150m
Connection	2 part JST Connector
To System Host	Via Master Reader

Requirements

- AC2000 access control system
- AC2000 Lite access control system
- AC2000 Airport access control system
- S610 master reader
- RTC Ethernet reader controller license

Ordering Information

Product Codes	Description
Gray version	
RDR/612/101	S610 Exit Card Reader with PIN (125kHz HID Proximity)
RDR/612/104	S610 Exit Card Reader with PIN (125kHz Proximity & Mifare CSN)
RDR/612/105	S610 Exit Card Reader with PIN (Mifare CSN) Smartcard
RDR/612/107	S610 Exit Card Reader with PIN (DESFire)
RDR/612/608	S610 Exit Card Reader with PIN (iClass SE)
RDR/612/109	S610 Exit Card Reader with PIN (No Read Tech) - supports 2 wiegand readers
Black version	
RDR/612/111	S610 Exit Card Reader with PIN (125kHz HID Proximity)
RDR/612/114	S610 Exit Card Reader with PIN (125kHz Proximity & Mifare CSN)
RDR/612/115	S610 Exit Card Reader with PIN (Mifare CSN) Smartcard
RDR/612/117	S610 Exit Card Reader with PIN (DESFire)
RDR/612/688	S610 Exit Card Reader with PIN (iClass SE)
RDR/612/119	S610 Exit Card Reader with PIN (No Read Tech) - supports 2 wiegand readers

Related Products

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AC2000 Lite
AC2000 Airport

S610 Master Reader

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