AY-Q6x60

Anti-Vandal Mifare® Sector Reader Family

The Sector Reader Family is a fully-featured smartcard contactless reader, ideal for highly secured facilities as well as other locations that wish to utilize smartcard based applications such as electronic wallets combined with access control or intrusion, time & attendance applications, and more.

The AY-Q6260 and AY-Q6360 introduce a patented, industry first – 13.56 MHz technology encased in a metal body, thus combining smartcard technology with an anti-vandal metal shield, suitable for outdoor use in all weather conditions.

General Description

Programming of the reader is done by presenting a programmable Configuration Card, created using Rosslare's Smart Card programmer (CP-R25).

The Reader scans information stored in a specific protected sector within a Mifare® smartcard, sends the data to a connected access control system, and allows the integrator to set secret keys for different sectors within the card.

This establishes a unique network with proprietary cards, where no card can possibly have the same ID on the same location and with the same reader Key.

The readers meet IP65 and are suitable for both indoor and outdoor use. The 10-Wire interface allows easy connection of the unit to a control panel and includes LED control, Buzzer control and more.

These products have the capability of being customized for most major projects.

Main Features

- Advanced, secure, multi-application functionality for intelligent installations
- Easy to deploy in the field with the configuration card (Master card) for secure sector reading of data from the sectors
- Configurable multi output format, supports Wiegand 26-bit format and many others
- Multiple keypad transmission formats (AY-Q6360)
- Compatible with CP-R25 USB Desktop Card Programmer
- PC software for Master and User Card configuration (AS-B01)
- High strength design, epoxy potted, fully sealed within an all-metallic housing

ADVANCED FEATURES

- Reads Mifare® ISO14443 Type A, Standard cards
- Dedicated LED and buzzer control inputs
- Optical tamper sensor for case and wall tamper detection
- Fully compatible with Mifare® 1K and 4K
- Reads card's serial number with Mifare® Ultralight and Mifare® DESFire™
- Suitable for outdoor use and weather-resistant

CREATE YOUR OWN PEACE OF MIND

AY-Q6x60 Anti-Vandal Mifare® Sector Reader Family

ELECTRICAL CHARACTERISTICS	AY-Q6260	AY-Q6360
• Operating Voltage Range:	5-16 VDC	
• Standby Input Current:	110mA	160mA
• Maximum Input Current:	190mA	240mA
• Tamper Output:	Open collector, active low, max sink current 30mA	
OPERATIONAL CHARACTERISTICS		
• Inputs:	Programmable LED Control / Buzzer control Input, N.O, Dry Contact	
• Indicators:	Tri-Colored LED indicator	
• Output Formats:	Wiegand 26-bit, Clock & Data, Wiegand 32 bit, Wiegand 34 bit, Wiegand 40 bit	
• Built-In Proximity Reader:	Operating Frequency: 13.56 MHz Mifare® Compatible ISO-14443A-3	
• Max. Proximity read range:	1.772 inch (45 mm)	
ENVIRONMENTAL CHARACTERISTICS		
• Operating Environment:	Water resistant, suitable for outdoor use (meets IP65)	
• Operating Temperature:	-25°F to 145°F (-31°C to 63°C)	
• Operating Humidity:	0% to 95% (Non-Condensing)	
MECHANICAL CHARACTERISTICS		
• Dimensions (H x W x D):	4.72 x 3 x 0.966 inch (120 x 76 x 22 mm)	
• Weight:	14.81 oz.(420g)	15.52 oz.(440g)

System Components

The Read-Sector Readers are compatible with Rosslare's CP-R25 USB Desktop card programmer and its associated AS-B01 Card Programming Software.

The readers are compatible with a variety of Rosslare's controllers (AC-225, AC-215, AC-115 etc.) as well as with many third party systems, and are compatible with Rosslare's AT-T511, AT-T512, AT-T513, and AT-T515 Cards & Tags.

AC-225 & PS-33   AC-115   CP-R25   AT-T515

Additional Information

The readers are covered by Rosslare's 5-year Limited Product Warranty.

For sales information or product documentation, please visit our website:
http://www.rosslaresecurity.com.