AY-R12 RGB Illuminated Reader

Multicolored RGB Illuminated Proximity Reader

The AY-R12 RGB Illuminated Reader presents a new concept in the security market whereby readers display ambiance modes preconfigured by the organization. The reader is wired to the controller and can be controlled by any panel to display colors at specified events via control inputs which connect to the host relay outputs. This most advanced reader adds a dramatic effect to any style-conscious environment.

General Description

This Advanced-Concept reader is light-years ahead of any plastic reader available in the market today. The AY-R12 RGB Illuminated Reader is able to produce Red, Green, Magenta, Purple or Blue illumination according to input control managed by the Access Control system.

The AY-R12 RGB Illuminated Reader is presented to you with the materials and reflective quality of light to generate a mood within a chosen facility at a chosen time. Facilitating visual signals to Security Personnel, for instance, indicating that a Terrorist Threat Level is occurring, in real time.

The Illuminated readers are by far the most advanced readers on the market with innovative construction. They offer the best and newest type of services to the security business.

Guaranteed to make a buzz in any showroom, distribution point and demonstration stand.

Main Features

- Stylish and practical application adds color to any environment enabling high quality high-tech atmosphere designers must have.

- 16 Pre-programmed color schemes, enabled using 4 wired inputs

- Optical Back Tamper sends a signal to the control panel when removed from wall or housing opened

- Built in 125KHz Reader for EM type RFID cards with a read range of up to 8 cm

Infinite Ambiance Signal Application Uses:

- **Hospitals:** Emergency color coding for emergency and pandemic levels, i.e., indications for stolen baby, stolen equipment, troubled patients, or infection risk

- **Homeland Security:** Proficient indication of the threat level in real-time which includes the area of a facility inside and outside predefine zones

- **Residential:** Chic and stylish, this reader can add a designers touch to any high technology home installation

- **Office:** Adding a touch of class to the office where we spend almost 50% of our lives, this product can surely enhance the communication to indicate visitors arrival, and security levels of the facility zones

- **Doctors:** Outside indication that the doctor is busy (do not disturb), out of the clinic, or waiting for next patient

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Product Specifications

ELECTRICAL SPECIFICATIONS	
• Power Supply Type	Linear type - recommended
• Operating Voltage Range	12-16VDC
• Maximum Input Current	Standby: 100mA Read: 150mA
• Tamper Output	Open collector, active low, max. sink current 150mA
• Maximum Cable Distance to Controller	150m (492.14 ft) with a shielded AWG18 rated cable
• Output Format:	Wiegand 26-Bit
• Read Range:	3.12 inch (8 cm) *Measured using Rosslare proximity card (AT-14) or equivalent. Range also depends on electrical environment and proximity to metal
• RF Modulation	ASK @ 125kHz
ENVIRONMENTAL SPECIFICATIONS	
• Operating Temp. Range	-23.8°F to 145.4°F (-31°C to 63°C)
• Operating Humidity	0 to 95% (non-condensing)
MECHANICAL SPECIFICATIONS	
• Height x Width x Depth	4.72 x 3.50 x 0.83 inch (120 x 89 x 21 mm)
• Weight	0.45 lbs (202 g)

Dual Application Product

AY-R12 RGB Illuminated Proximity Reader is compatible with standard Access Controllers. Compatible with AC-115, AC-215, AC-225 and AC-525 and expansions, using AS-525 AxTrax Panel Links.

AC-215   AC-225   AC-525

Additional Information

The AY-R12 is a high-quality electronic product developed and manufactured under ISO9001:2008 and is covered by RSP 5-year Limited Product Warranty.

Please visit our Web site for documentation and sales information: www.rosslaresecurity.com

RoHS COMPLIANT

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