

## AY-R12 RGB Reader

### 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 away from any regular plastic reader available in the market today. The AY-R12 RGB Illuminated Reader is able to produce Red Green 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 and can offer the best and newest types of services to the security business.

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



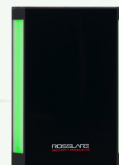
### Main Features

- **Stylish and practical application** to add color to any environment enabling a high quality high-tech atmosphere. A must for designers.
- **16 Pre-programmed color schemes**, enabled using 4 wired inputs
- **Optical Back Tamper** sends a signal to the control panel when removal from wall or housing opening
- **Built in 125KHz Reader** for EM type RFID cards with a read range of up to 8 cm

### Possibly Infinite Additional Applications For Ambiance Mode Signals

- **Hospitals:** Emergency color coding for emergency and pandemic levels, i.e., indications for stolen baby, stolen equipment, or troubled patients
- **Homeland Security:** Proficient indication of the threat level in real-time which includes the area of a facility and inside and outside of 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), or not in the clinic

# AY-R12 RGB Illuminated Proximity Reader

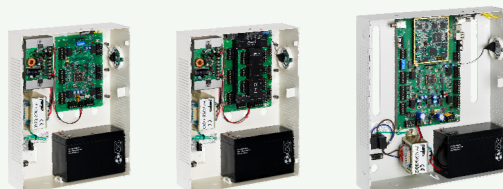


## Product Specifications

<b>Basic Characteristics</b>	
• <b>Model Number:</b>	AY-R12
• <b>Output Format:</b>	Wiegand 26-Bit
• <b>Read Range:</b>	8 cm (3.12 in)
<b>Electrical Characteristics</b>	
• <b>Power Supply Type</b>	Linear type - recommended
• <b>Operating Voltage Range</b>	12-16vdc
• <b>Maximum Input Current</b>	Standby: 100 mA Read: 150mA
• <b>Tamper Output</b>	Open collector, active low, max. sink current 150mA
• <b>Maximum Cable Distance to Controller</b>	150 m (492.14 ft) with AWG18 rated cable
• <b>RF Modulation</b>	ASK @ 125kHz
<b>Environmental Characteristics</b>	
• <b>Operating Temp. Range</b>	-31°C to 63°C (-23.8°F to 145.4°F)
• <b>Operating Humidity</b>	0 to 95% (non-condensing)
<b>Dimensions</b>	
• <b>Height x Width x Depth</b>	120 mm x 89 mm x 21mm (4.72 " x 3.50" x 0.83") H x W x D
• <b>Weight</b>	202 g (7.095 ozs)

## 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.



## Additional Information

The AY-R12 is a high-quality electronic product developed and manufactured under ISO9001:2000 and is covered by RSP 2-year Limited Product Warranty.

Please visit our Web site for documentation and sales information: <http://www.rosslaresecurity.com/>



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