

AY-R12

Outdoor RGB Illuminated Reader



The AY-R12 RGB Illuminated Reader presents a new concept in the security market where 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 that connect to the host relay outputs. This advanced reader adds a dramatic effect to any style-conscious environment.

GENERAL DESCRIPTION

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. For example, the reader can project a green light when everything is normal and a red light in case of emergency.

The reader is compatible with any controller that supports the Wiegand 26-Bit protocol. The panel links are used to set various conditions between events and outputs to get the required illumination from the reader.

MAIN FEATURES

- Stylish and practical application adds color to any environment enabling high quality high-tech atmosphere

- Seven different colors to create a unique ambiance
- 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 125 kHz reader for EM type RFID cards with a read range of up to 8 cm (3.1 in.)

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	12–16 VDC
■ Power Supply Type	Linear type (recommended)
■ Input Current	Standby: 100 mA Read: 150 mA
■ Tamper Output	Open collector, active low, max. sink current 150 mA
■ Maximum Read Range	8 cm (3.1 in.) *Measured using a Rosslare proximity card or equivalent. Range also depends on electrical environment and proximity to metal.
■ Maximum Cable Distance to Controller	150 m (500 ft)
■ Output Format	Wiegand 26-Bit
■ RF Modulation	ASK @ 125 kHz

ENVIRONMENTAL SPECIFICATIONS

■ Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)
■ Operating Humidity Range	0% to 95% (non-condensing)

PHYSICAL SPECIFICATIONS

■ Dimensions (H x W x D)	120 x 89 x 21 mm (4.7 x 3.5 x 0.8 in.)
■ Weight	202 g (7.1 oz)

SYSTEM COMPONENTS

AY-R12 RGB Illuminated Proximity Reader is compatible with standard Access Controllers

PRODUCT WARRANTY

5-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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