

## AY-L23

### Long Range RF Reader

**The advanced AY-L23 is a long-range wireless receiver that can activate electronic barriers, garage doors, home security systems, or any other device that can accept an auxiliary input. This receiver works at a distance of up to 70 meters (230 ft). When attached to a controller as a reader input, the slim, cost-effective device can act as a remote control for an endless array of applications.**

### General Description

The attractively-designed AY-L23 wireless receiver is excellent for long range remote control functionality to any system with a Wiegand 26-bit reader input.

The unit is designed to enable control of multiple access points from a remote location, which makes the AY-L23 especially useful in a variety of situations. The device can be used to open carports, trigger sprinkler systems, activate security barriers from a central security point or disable entire alarm systems upon arrival. (When connected to a control unit)

Aside from the standard 26-bit Wiegand output format, the AY-L23 contains an LED indicator, an optical back tamper for protection, and is completely epoxy-potted to withstand the elements of nature.



### Main Features

- Excellent RF performance—AM (or ASK for western Europe and Scandinavia)
- Modern, slender design containing an internal antenna.
- Microprocessor design incorporating SMT for high quality.
- Includes optical wall and case tamper protection, including a tamper output signal.
- Different model for different frequencies: 418.00 MHz, 433.92 MHz, or 868.35 MHz.
- 60 cm (23.6 in.) 6-wire interface cable.

### PROFESSIONAL GRADE FEATURES

- Ultra-low current consumption.
- RF sensitivity is -107 dBm.
- Single control wire selects the LED color (green or red).
- Mountable on a flat surface.
- Receiver interfaces to any control panel with an available reader input.
- Internal buzzer sounds when the unit successfully reads an RF signal.

# AY-L23 Long Range RF Reader



## Product Specifications

ELECTRICAL CHARACTERISTICS	
• Operating Voltage:	6 to 12 VDC, from a regulated power supply
• Input Current:	Standby: 25 mA Max: 55 mA
• Read Range:	Up to 70 meters
• RF Frequency:	418.00 MHz (AYL23D), 433.92 MHz (AYL23C), 868.35 MHz (AYL23E)
• LED:	A single, bi-colored LED
• Maximum Cable Distance to Controller:	150 m (500 ft.)
ENVIRONMENTAL CHARACTERISTICS	
• Operating Environment:	Indoor and outdoor use – all weather – IP65
• Operating Temperature:	-20°C to 63°C (-4°F to 145°F)
• Operating Humidity:	0% to 100% relative humidity (condensing)
PHYSICAL CHARACTERISTICS	
• Dimensions:	145mm L x 43mm W x 21mm D (5.71 in. x 1.69 in. x 0.82 in.)
• Weight:	115 g (0.25 lbs)

## System Components

AY-L23 is compatible with various Rosslare remote controls, SA-26, SA-27, and SA-28, with 1-button, 2-button, or 4-buttons, or SA-03.

Remote control frequency models:  
418.00 MHz – SA-28FD  
433.92 MHz – SA-28GC, SA-03G  
868.35 MHz – SA-28HE, SA-03H



## Additional Information

The AY-L23 is covered by Rosslare's 5-year Limited Product Warranty.

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

