

# AY-L23 & SA-23

## Outdoor Long-Range RF Reader and Remote Controls



AY-L23

SA-23-B2

SA-23-B4

**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. THE RECEIVER WORKS WITH ROSSLARE'S SA-23 FAMILY OF WIRELESS REMOTE CONTROL TRANSMITTERS. IT CAN RECEIVE REMOTE CONTROL SIGNALS FROM UP TO 70 METERS (230 FT.) AND CAN OUTPUT THE ID IN TWO DIFFERENT WIEGAND FORMATS WITH SA-23. 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 AY-L23 is an outdoor long-range RF reader that acts as a receiver. It is compatible with Rosslare's SA-23 family of wireless remote control transmitters. When the AY-L23 receives a command signal from the SA-23 wireless transmitter, the AY-L23 outputs the ID to the attached controller and controls the function of the relay A or B according to the SA-23 remote's command.

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

### MAIN FEATURES

- Excellent RF performance
- Modern, slender design with internal antenna
- Microprocessor design incorporating SMT for high quality

- Optical wall and case tamper protection, including tamper output signal
- Two different Wiegand output formats
- SA-23-B2 remote control has two different ID outputs, and the SA-23-B4 four different ID outputs

### PROFESSIONAL GRADE FEATURES

- Ultra-low current consumption
- Single control wire selects the LED color (green or orange)
- 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

# SPECIFICATIONS

ELECTRICAL SPECIFICATIONS		AY-L23	SA-23
■ Operating Voltage		7 to 24 VDC	3 V Battery (CR 2450)
■ Input Current		Standby: 26 mA , Max: 65 mA	Standby: < 1 uA, Max: 10 mA
■ Read Range		70 m (230 ft)	
■ RF Frequency		G: 433.92 MHz H: 868.35MHz	
OPERATIONAL SPECIFICATIONS		AY-L23	
■ Output format		2 Wiegand (sel. 26,32,34,40 Bits): Wiegand1: D0 D1 Wiegand2: D0 D1 2 Output (Open Collector) Output1 (200mA) Output2 (200mA)	
■ Tamper Output		Open collector, active Open, max. sink current of 16 mA	
■ Maximum Cable Distance to Controller		152.4 m (500 ft.)	
■ LED Control		Green, Orange	
ENVIRONMENTAL SPECIFICATIONS		AY-L23 & SA-23	
■ Operating Environment		Indoor and outdoor (all weather) use – IP 65	
■ Operating Temperature		-31°C to 63°C (-25°F to 145°F)	
■ Operating Humidity		0 to 95% (non-condensing)	
PHYSICAL SPECIFICATIONS			
■ Dimensions		145 x 43 x 20 mm (5.7 x 1.7 x 0.8 in.)	60 x 40 x 12 mm (2.36 x 1.57 x 0.47 in.)
■ Weight		500 g (1.1 lb)	21 g (0.74 oz)
<b>SYSTEM COMPONENTS</b>	The AY-L23 is compatible with Rosslare’s door control systems, Rosslare’s single/double/multi-door controllers		
<b>PRODUCT WARRANTY</b>	2-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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