

# AY-D19M

Indoor Proximity & PIN Card Reader



The AY-D19M is one of a highly sophisticated line of proximity card and keypad readers developed by Rosslare, pioneers and market leaders in the smartcard technology field. Ideal for residential and commercial applications, this attractively designed reader compliments any decor. The AY-D19M is packed with advanced features such as an ultra-bright LED indicator, tamper detection feature, membrane keypad, and an internal buzzer. The AY-D19M supports multiple proximity card and keypad formats to provide a high level of compatibility and connectivity with host controllers.

## GENERAL DESCRIPTION

Rosslare's AY-D19M Indoor Proximity & PIN Reader is designed with a focus on high quality and reliability.

Easy to install and operate, the US-gang-box sized AY-D19M Indoor Proximity & PIN Reader features state-of-the art smartcard technology. It has an internal buzzer, tamper detection, and a membrane keypad.

Versatile and user friendly, the unit can be programmed via the membrane keypad to transmit proximity card data in 26-Bit Wiegand, or Wiegand card plus PIN format.

## MAIN FEATURES

- Wiegand 26-Bit, Clock & Data reader
- Reading distance: 3.15 in (80 mm.)

- Internal buzzer provides audible interface feedback
- Fits US Gang box
- 4-wire terminal-block connections
- Ultra bright LED indicator
- Indoor use
- Easy installation

## PROFESSIONAL GRADE FEATURES

- Case tamper signal reported by Wiegand codes, with Rosslare's AC-115, AC-225, AC-425, and ExpansE™

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5–16 VDC, from a regulated power supply (power usually supplied from host controller)
■ Input Current	Standby: 55 mA Maximum: 100 mA
■ LED Control Input	Dry Contact, N.O.
■ Tamper Output	Open collector, active low, maximum sink current is 32 mA

## BUILT-IN PROXIMITY READER

■ Read Range*	3.15 in (80 mm.) * Measured using a Rosslare proximity card or equivalent. Range also depends on electrical environment and proximity to metal.
■ Modulation Options	ASK at 125 KHz
■ Transmission Formats	Wiegand 26-Bit: ASK at 125KHz, Clock & Data
■ Compatible Cards	All 26-Bit EM cards

## BUILT-IN KEYPAD

■ Transmission Formats	Multiple
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## ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Suitable for indoor use
■ Operating Temperature	-24°F to 145° F (-31°C to 63°C)
■ Operating Humidity	0 to 95% (non-condensing)
■ RFI Protection	> 20 V/m up to 1000 MHz

## PHYSICAL SPECIFICATIONS

■ Dimensions (H x W x D)	4.8 x 3 x 0.9 in. (122 x 75 x 24 mm)
■ Weight	4.1 oz (117 g)

## SYSTEM COMPONENTS

The AY-D19M is compatible with Rosslare's door control systems, Rosslare's Wiegand 26-bit supporting single/double/multi-door controllers and access control accessories, including: proxy tag/keys and credential cards.

## PRODUCT WARRANTY

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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