Rosslare’s MD-D02 2 Reader expansion board is part of a highly advanced line of expansion modules that work seamlessly with Rosslare’s state-of-the-art AC-225 and AC-525 networked access controllers. Ideal for residential and commercial applications, the MD-D02 expansion board packs features such as advanced communication with the controller. The MD-D02 expansion increases flexibility to the access control system by adding two readers, two doors, four relay outputs and four supervised inputs to the controller.

**GENERAL DESCRIPTION**

Rosslare’s MD-D02 2 Reader expansion board is designed with a focus on high quality and reliability and is ideal for residential and commercial applications. Easy to install and operate, the MD-D02 expansion board features state-of-the-art supervised communications with the controller. The expansion board adds two additional readers or keypad inputs; four relay outputs and four supervised inputs to the access control panel. As a result, an access control panel with the MD-D02 expansion board can support a total of four readers and four doors. In addition, it is possible to add any keypad or biometric reader that supports the Wiegand, Clock-and-Data or any other format supported by Rosslare’s AS-525 AxTrax Software transmission formats. The host access controller has complete control over the additional readers, inputs and outputs of the MD-D02 expansion board.

**MAIN FEATURES**

- Additional two proximity readers or keypads
- Four relay outputs and four supervised inputs to the access control panel
- Wiegand or Clock-and-Data transmission keypad or biometric reader compatibility
- LED status feedback for 12V power and relay activation
- Cost effective and modular installation
- Compatible with Rosslare’s AC-225 and AC-525 networked access controllers
- Input and output configurability using Rosslare’s AS-525 AxTrax software
- Backed by Rosslare’s International Guarantee and service with ISO9001 (Certified TUV Rhineland) level business and manufacturing operations

ITALIAN DISTRIBUTOR

Largo I Maggio, 8 - 52100 Arezzo (AR) - Italy
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### SPECIFICATIONS

#### ELECTRICAL SPECIFICATIONS
- **Input Voltage**: 12V DC from host controller
- **Input Current (not including devices)**
  - Standby: 30mA
  - Maximum: 135mA
- **Number of Reader Ports**: 2
- **Number of Inputs**: 4
- **Output Relays**
  - 4 x 5A with N.O., N.C. and COM contacts Form-C Relays
- **Inputs Voltage**: 5V DC maximum voltage

#### INPUT SPECIFICATIONS
- **Input Type**: Selectable: Normally Open, Normally Closed, Supervised with one resistor (three states, normally open or normally closed), Supervised with two resistors (four states, Normally Open or Normally Closed)

#### READER SPECIFICATIONS
- **Reader Output Voltage**: 12V DC
- **Maximum Reader Current**: 300 mA
- **LED Control Output**: Open collector, active low
- **Tamper Input**: 5V DC maximum voltage
- **Supported Formats**: Various, please refer to the AxTrax S/W manual

#### LED INDICATORS
- **Power LED**: Active when connected to a power source
- **Output LEDs**: Four LEDs; Each output LED is active when an output relay is activated and N.O. to COM contacts are shorted

#### PHYSICAL SPECIFICATIONS
- **Dimensions (L x W x H)**: 100 x 75.9 x 32.5 mm (3.93 x 2.98 x 1.28 inch)
- **Weight**: 98.2 g (0.21 lbs)

#### SYSTEM COMPONENTS
The MD-D02 is compatible with a variety of Rosslare’s single/double/multi door controllers (AC-225, AC-525), any keypad or biometric reader that supports the Wiegand or Clock-and-Data transmission formats, as well as with many third party access control units.

#### PRODUCT WARRANTY
5-year Limited Product Warranty

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### ABOUT ROSSLARE SECURITY

Visit our web site: www.rosslaresecurity.com

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