

MD-D02

Access Controller Expansion Board

Rosslare's MD-D02 Access Controller expansion board is one 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 and an LED status indicator. The MD-D02 expansion increases flexibility to the access control system by adding four relay outputs and four supervised inputs to the controller.

The unit comes in a protected housing and is easy to install. The inputs and outputs can be configured using an access control software system such as Rosslare's AxTrax™.

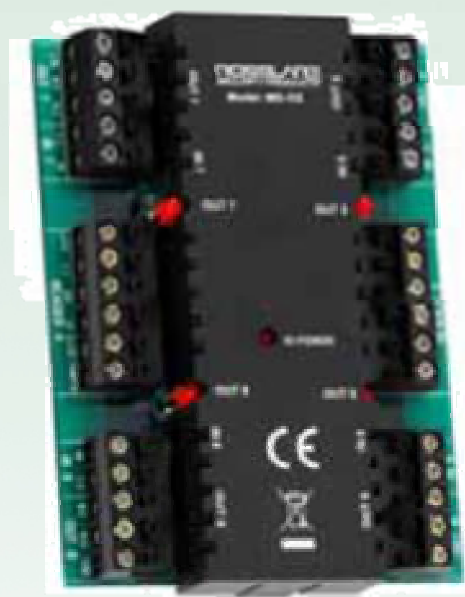
General Description

Rosslare's MD-D02 Access Controller expansion board is designed with a focus on high quality and reliability as our top priority, 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 an additional two reader or keypad inputs; four relay outputs and four supervised inputs to the access control panel. As a result, an access control panel with an MD-D02 expansion board can support a total of four readers and four door panels. In addition, it is possible to add any keypad or biometric reader that supports the Wiegand or Clock-and-Data transmission formats.

The host access controller has complete control over the additional readers, inputs and outputs of the MD-D02 expansion board.



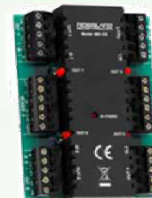
Main Features

- Additional two reader or keypad input capacity
- 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, relay activation, input status and overall board health
- Cost effective and modular installation

PROFESSIONAL GRADE FEATURES

- Compatible with Rosslare's AC-225 and AC-525 networked access controllers
- Input and output configurability using Rosslare's AxTrax software
- Backed by Rosslare's International Guarantee and service with ISO9001 (Certified TUV Rhineland) level business and manufacturing operations

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Product Specifications

ELECTRICAL SPECIFICATIONS	
• Input Voltage	12V DC
• Input Current (not including devices)	Standby: 30mA Maximum: 135mA
• Number of Reader Ports	2
• Number of Inputs	4
• Output Relays	5A with N.O., N.C. and COM contacts Form-C Relays
• Inputs Voltage	5V DC maximum voltage
INPUT SPECIFICATIONS	
• Input Type	Selectable as: 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; Optical anti-tamper sensor
• 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 energized and N.O. to COM contacts are shorted
PHYSICAL SPECIFICATIONS	
• Dimensions (L x W x D)	100 x 75.9 x 32.5 mm (3.93 x 2.98 x 1.28 in)
• 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 systems.



Additional Information

The MD-D02 is a high-quality electronic product developed and manufactured under ISO9001:2000 and is covered by RSP 2-year Limited Product Warranty.

Please visit our website for documentation and sales information: <http://www.rosslaresecurity.com/>



CFR47 Part 15b Certified



UL-294 Listed for Access Control System Units

AxTrax™ is a trademark of Rosslare Enterprises Ltd.

Distributed by:

VERSION 2.0 PRELIMINARY

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