

# MD-D04

## 4 Reader Expansion Board



ROSSLARE'S MD-D04 4 READER EXPANSION BOARD IS THE THIRD PART OF A HIGHLY ADVANCED LINE OF EXPANSION MODULES. THIS UNIT WORKS SEAMLESSLY WITH ROSSLARE'S STATE-OF-THE-ART AC-425 NETWORKED ACCESS CONTROLLER. IDEAL FOR RESIDENTIAL AND COMMERCIAL APPLICATIONS, THE MD-D04 EXPANSION BOARD PACKS FEATURES SUCH AS ADVANCED COMMUNICATION WITH THE CONTROLLER. THE MD-D04 EXPANSION INCREASES FLEXIBILITY TO THE ACCESS CONTROL SYSTEM BY ADDING FOUR READERS, FOUR DOORS, FOUR RELAY OUTPUTS AND FOUR SUPERVISED INPUTS TO THE CONTROLLER.

### GENERAL DESCRIPTION

Rosslare's MD-D04 4 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-D04 expansion board features state-of-the-art supervised communications with the controller.

The expansion board adds four 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-D04 expansion board can support a total of eight readers and eight 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 AxTraxNG Software transmission formats.

The host access controller has complete control over the additional readers, inputs and outputs of the MD-D04 expansion board.

### MAIN FEATURES

- Additional four 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-425 networked controller
- Input and Output configurability using Rosslare's AxTraxNG software
- Backed by Rosslare's international guarantee and service with ISO9001 (Certified TUV Rhineland) level business and manufacturing operations

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Input Voltage	12 V DC from host controller
■ Input Current (not including devices)	Standby: 30mA Maximum: 135mA
■ Number Reader Ports	4
■ 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 output	5V DC maximum voltage, optical anti-tamper sensor
■ Supported Formats	Various, please refer to AxTraxNG manual

## LED INDICATORS

■ Power LED:	Active when mounted correctly on the host controller (AC-425)
■ 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)	115 x 75.9 x 32.5 mm (4.52 x 2.98 x 1.28 inch)
■ Weight:	98.2 g (0.21 lbs)

## SYSTEM COMPONENTS

The MD-D04 is compatible with a variety of Rosslare's Advanced Multi Door Controller AC-425, 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

2-year Limited Product Warranty

## ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd. manufactures high-quality security products since 1980. The company's three main lines: Access Control, Intrusion Detection and Guard Patrol, together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

Visit our web site: [www.rosslaresecurity.com](http://www.rosslaresecurity.com)

AxTraxNG™ is a trademark of Rosslare Enterprises Ltd.



5504-0128101-00  
Copyright © Rosslare 2011



**ROSSLARE**  
SECURITY PRODUCTS  
Create your own peace of mind.