MD-D02B

2-Reader Expansion Module for AC-225x-B Control Panel

Rosslare's MD-D02B is a plug-in expansion module for Rosslare's AC-225x-B access control panels that provides a 2-reader interface, 4 supervised inputs with end-of-line (EOL) resistor protection, and 4 relay outputs (5 Amp Form-C N.O./N.C.) to the panel. Installation of the module takes under one minute with the tailored expansion port in the panels and auto-recognize by the panel. Once it is installed and the panel is powered on, the expansion is recognized by Rosslare's AxTraxNG™ or AxTraxPro™ server, and the MD-D02B can be programmed for access control and automation. Advanced communication with the controller allows for firmware update and real-time event logging, with support for full offline operation by the host panel.

GENERAL DESCRIPTION

Rosslare's MD-D02B 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-D02B expansion board features 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-D02B 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 Wiegand, Clock-and-Data or any other format supported by Rosslare's AxTraxNG or AxTraxPro Access Control Management Software transmission formats.

The host access controller has complete control over the additional readers, inputs, and outputs of the MD-D02B 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 12 V power and relay activation
- Cost effective and modular installation
- Input and output configurability using Rosslare's AxTraxNG or AxTraxPro Access Control Management Software

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SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■	Input Voltage	12 VDC from host controller
■	Input Current (not including devices)	Standby: 30 mA Maximum: 135 mA
■	Number of Reader Ports	2
■	Number of Inputs	4
■	Output Relays	4 x 5 A with N.O., N.C. and COM contacts Form-C Relays
■	Inputs Voltage	5 VDC 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	12 VDC
■	Maximum Reader Current	300 mA
■	LED Control Output	Open collector, active low
■	Tamper Input	5 VDC maximum voltage
■	Supported Formats	Various, please refer to the *AxTraxNG User Guide* or the *AxTraxPro User Guide*

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 (3.9 x 3.0 x 1.3 in.)
■	Weight:	98.2 g (0.2 lb)

SYSTEM COMPONENTS	The MD-D02B is compatible with a variety of Rosslare's single/double/multi-door controllers, 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 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.

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