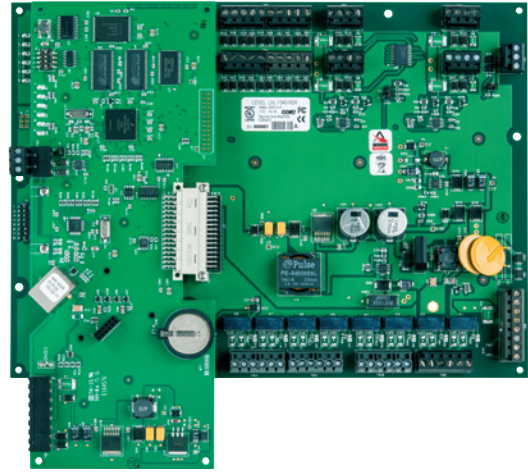


LNL-1340-M2K

Four Door Supervised F2F Interface Board



Overview

The LNL-1340-M2K is part of the Lenel M Series and is the one-for-one, plug-compatible, OnGuard®-ready replacement for the legacy CASI M2000 reader/IO board.

The LNL-1340-M2K is the reader/IO board and is paired with an LNL-3300-M5 CPU board, for head-of-line configuration. The LNL-1340-M2K supports the same readers as the M2000, with F2F or supervised F2F protocol, and has the same wiring configurations. Like the legacy M2000, the LNL-1340-M2K can support native supervised F2F readers or readers with Wiegand outputs that interface through WIU devices prior to termination at the LNL-1340-M2K. The LNL-1340-M2K also supports 10 general-purpose inputs, and has eight Form-C relay outputs.

All boards in the Lenel M Series have been designed to facilitate the migration of legacy software such as Picture Perfect®, Facility Commander® Wnx or Secure Perfect Systems to Lenel's OnGuard access control system. The hardware migration is a straightforward process of powering down the legacy controller, unplugging field wiring from legacy boards, removing legacy boards, installing new Lenel M Series boards, plugging in field wiring, and powering up the new controller which communicates to the OnGuard System.

When converting the M2000 controller to Lenel M Series, both the CPU and the M2000 I/O must be converted to the Lenel M Series.

Features & Functionality

- Support for the same readers as the legacy CASI M2000 controllers with F2F or supervised F2F protocol and field wiring compatibility
- Support for native supervised F2F readers or readers with Wiegand outputs that interface through WIU device prior to termination at the LNL-1340-M2K
- Can be used downstream of another M series controller without an additional LNL-3300-M2K
- 10 general-purpose inputs
- 8 Form-C relay outputs
- Elevator control, single cab

LNL-1340-M2K

Specifications

Power Supply

Primary Power	18 VAC, \pm 15%, 2.8 A
12 VDC Output	10.8 to 13.2 VDC, 550 mA max.
UPS Battery (Optional)	12 volt, 7 Ah rechargeable sealed lead-acid, 1 each supported

Outputs

Relay Outputs	8 outputs, Form-C, 2 A @ 30 VAC/DC, resistive
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Inputs

Inputs	10 unsupervised/supervised, standard EOL: 1K/1K ohm, 1%, ¼ watt
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Reader Interface

Reader Power	10.8 to 13.2 VDC regulated, 300 mA maximum each reader port
Door Output w/External Relay	Open collector, 40 mA sink maximum
Reader Data Inputs	Supervised F2F, or F2F

Cable Requirements

Alarm Inputs	1 twisted pair per input, 22 AWG shielded. 30 ohms maximum loop resistance
Outputs	As required for the load
Reader Data	Supports legacy wiring. Shielded cables recommended.
12 VDC	20 AWG, 500 feet maximum, reader powered by M5-2K board
	18 AWG, 3000 feet maximum, reader powered locally
	Note 1: The above specifications are based on the typical 12 volt reader drawing 125 mA. Reader power requirements vary between different models.
	Note 2: Excessive voltage drop on long cable runs may require a larger cable gauge or powering the reader from a local power source. Refer to the power specification for the reader being installed.

Mechanical

Dimension without LNL-3300-M5	W 8.375 in. (212.7 mm), L 11.375 in. (289.1 mm), H 1.04 in. (26.5 mm) without LNL-3300-M5
Dimension with LNL-3300-M5	H 1.27 in. (32.26 mm)
Weight (w/o Connectors)	12.0 oz. (340.2 g) nominal without LNL-3300-M5
	17.3 oz. (491.0 g) nominal with LNL-3300-M5

Environment

Storage Temperature	-67° to +185° F (-55° to +85° C)
Operating Temperature	32° to 122° F (0° to +50° C)
Humidity	5 to 95% Relative humidity, non-condensing (RHNC)

Ordering Information

Part No.	Description
LNL-1340-M2K	Four door supervised F2F interface board
521330001	M2000 assembly hardware kit for 10 M2000, screws and standoff/nuts



lenel.com/access-hardware

(866) 788-5095

Specifications subject to change without notice.
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