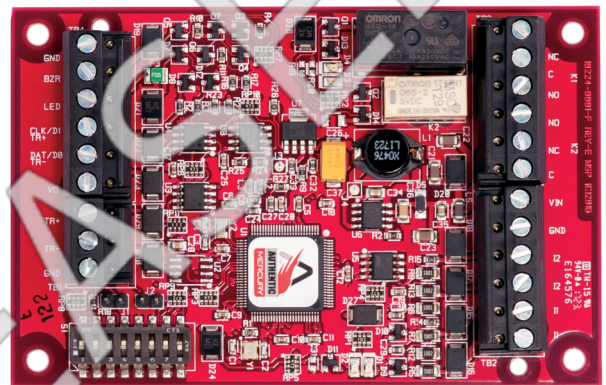# LNL-1300-S3

LNL-1300 single reader interface module, Series 3

Product overview

Lenel offers a Single Reader Interface (SRI) module for access control solutions. Access control card readers, keypads, or readers with keypads that use standard Wiegand Data1/Data0, Supervised or Unsupervised F2F, or Clock/Data communication are supported, as are those supporting the bidirectional RS- 485 Open Supervised Device Protocol (OSDP™). Lock, unlock, and facility code offline access modes are supported on all readers connected to the SRI. Each SRI supports up to 16 different card formats as well as issue codes for both magnetic and Wiegand card formats.

The SRI provides a vital link between the Intelligent System Controller (ISC) and the card reader attached to the interface. As many as 32 SRI modules can be multi-dropped using RS-485 2-wire communication up to 4,000 feet (1219 m) per port away from the ISC. Each SRI module is individually addressed for increased reporting capabilities with OnGuard® access control software applications. The SRI includes two inputs that support normally open, normally closed, supervised, and non-supervised circuits. Two output relays support fail-safe or fail-secure operation.

Details

- 12 or 24 VDC power supply
- Supports Data1/Data0, Clock/Data, Supervised and Unsupervised F2F and OSDP-compatible RS-485 readers and keypads
- Supports Open Supervised Device Protocol (OSDP) readers, including biometric template transfer and Secure Channel encryption
- Two Form-C relay outputs (5 A door strike and 1 A aux relays)
- Up to 16 different card formats
- Issue code support
- Downloadable firmware
- Door contact open or closed, supervised or non-supervised
- REX push-button monitor, supervised or non-supervised
- Strike control output
- Bi-colour or 2-wire reader status LED support
- Reader beeper control
- Plastic mounting channel
- Support for offline reader access mode
- Elevator control, support for 128 floors
- Advanced Encryption Standard (AES) 128-bit or 256-bit encryption supported, depending on ISC and OnGuard version
- Compatible with current and previous versions of OnGuard
- Extended Functionality - Connect one FIPS-201 reader for embedded authentication (when used with LNL-4420 and appropriate HID® and OnGuard software and licenses)

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Technical specifications

System

Controller type	Reader module
Software compatibility	OnGuard
Max. no. of card formats	16
PCB only	Yes

Readers / doors

Max. no. of doors	1
Max no. of readers	1

Interfaces

Reader interface	Clock-data, OSDP, Wiegand
Host connection	RS485

Electrical

Operating voltage	12 to 24V DC ±10% 12 VDC @ 150 mA (plus reader current) maximum, 6.2 BTUs 24 VDC @ 80 mA (plus reader current) maximum, 6.5 BTUs
Power supply type	VDC
Power consumption	150 mA maximum (plus reader current)

Physical

Physical dimensions	108 x 70 x 25 mm
Net weight	80 g
Shipping weight	120 g

Environmental

Operating temperature	0 to +70°C
Storage temperature	-55 to +85°C
Relative humidity	5% to 95% noncondensing

Regulatory

Compliancy	CE, RoHS, UL 1076, UL 294
Standards	FCC Part 15, ULC CSA-C22.2, CAN/ULC-S319-05, cUL/ORD-C1076

Inputs / outputs

Inputs	2 supervised, End of Line resistors, 1 k / 1 k ohm, 1%, 1/4 watt standard
Inputs	1 unsupervised, dedicated for cabinet tamper
Outputs	Form-C contacts: K1: Normally Open (NO) Contact: 5 A @ 30 VDC, Normally Closed (NC) Contact: 3 A @ 30 VDC, K2: 1 A @ 30 VDC