LNL-2210

Overview

The LNL-2210 Intelligent Single Door Controller (ISDC) is an edge device by Lenel that provides a solution for interfacing one or two readers to a single door within an OnGuard® system. Offering innovation at an economical price point, the LNL-2210 is a high-performance, Ethernet-ready card reader panel that controls a single opening with 802.3af compliant Power over Ethernet (PoE). Built on a proven platform, the LNL-2210 seamlessly interfaces to a larger system for flexible, reliable expansion. Easy installation with PoE makes this the logical choice for single door control.

Once configured, the LNL-2210 functions independently of the host and is capable of sophisticated processes while controlling access for a single opening. Without host intervention, the LNL-2210 can relate selected system devices and their activity to other onboard devices, consistently allowing those activities and actions to transpire independently.

The LNL-2210 is capable of interfacing with a wide array of reader technologies for single opening control. Reader ports support separate in/out readers and technologies that include Wiegand, clock and data, RS-485, magnetic stripe, keypads, LCD and biometrics - resulting in the flexibility, versatility and reliability needed for success.

An alternative configuration is available with OnGuard version 6.6 and higher for the LNL-2210. The first physical reader port can be configured to support RS-485 communication bus to LNL Door Interfaces (LNL-1300/LNL-1320) or IO devices (LNL-1100/LNL-1200). Up to eight RS-485 addressed devices can be supported on this communication bus. These additional devices must have local power supply, since the POE cannot support them. In this configuration, the second physical reader port on the LNL-2210 is still available for standard single reader interface.

FEATURES & FUNCTIONALITY

Controller Functionality
• Primary Port: 10/100 Ethernet
• Two reader ports: Magnetic stripe, Wiegand, or RS-485 (RS-485 on one reader port capable of supporting two readers)
• Two fixed inputs for door contact and request to exit (REX)
• Two outputs; one dedicated for a strike and one general purpose (Form C, 2A @ 30Vdc)
• 6 MB of available on-board, non-volatile flash memory
• Firmware stored in flash memory, background download of firmware updates supported

Access Control:
• 240,000 cardholders, 50,000 event transaction buffer
• Up to 128 Access Levels per cardholder
• Programmable card activation and deactivation times and dates

Card Formats:
• Eight active card formats per LNL-2210
• PIV-II, CAC, and TWIC card compatible
• Magnetic stripe, proximity, iClass, multiClass, MIFARE, DESFIRE, biometric template support
• Open Supervised Device Protocol (OSDP) compliant

Additional Functionality:
• Enhanced anti-passback capabilities: nested global hard or soft anti-passback, timed anti-passback, two person control, designated one or two person control, tail gate control and occupancy limit
• Standard or custom end of line resistance
• Paired or single reader support
• Selective download capable
• 255 holidays with grouping, 255 timezones, each with six intervals
• Turnstile support
• Individual extended held open and strike times (ADA required)
• Compact footprint, mounts into standard triple gang switch box
• Advanced Encryption Standard (AES) 128-bit algorithm for communications
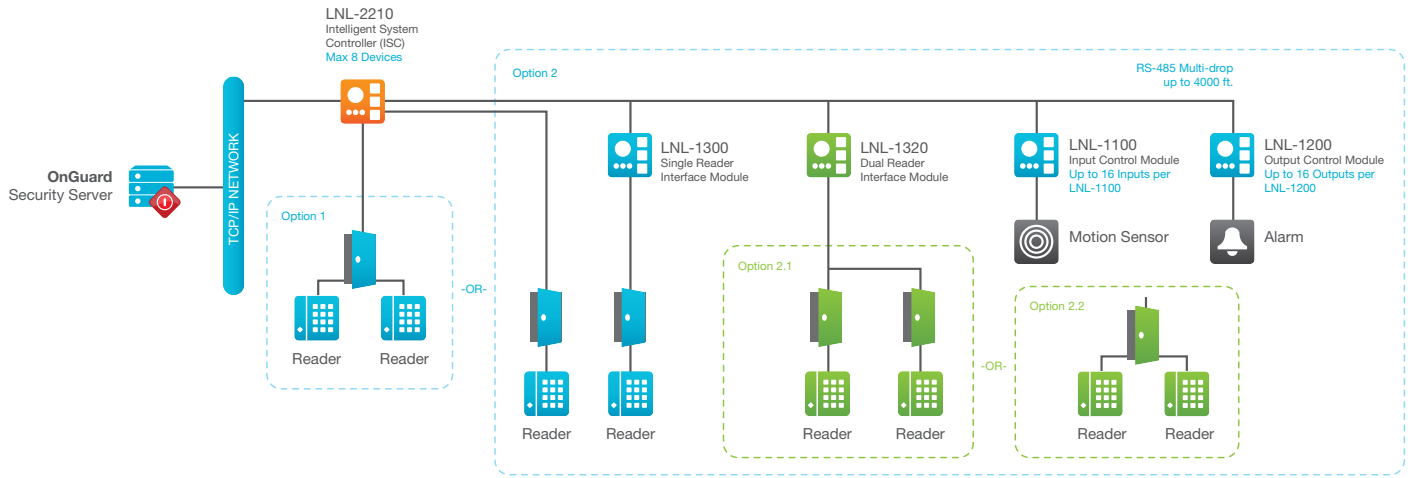
Controller Features

LNL-2210	240,000 cardholders 6 MB On-board flash memory available for cardholder & asset database, 50,000 event backed RAM for event log On-board rechargeable battery with up to two week support Maximum two reader support per physical barrier (door)

Specifications

Power input:	Class 3 PoE power input 12.95W, compliant to IEEE 802.3af or 12Vdc +/-10% 900 mA maximum power supply. Note: for UL installations, POE powered devices shall not be used. Power for these devices must be provided by a UL 294 listed power limited source (12Vdc)
Power Output:	12 Vdc @ 650 mA including reader and AUX output
Reader Interface:	PoE: 12Vdc +/- 10% or a local power supply (12Vdc) (PTC limited 150mA max)
Inputs:	Two general purpose programmable circuit type and dedicated tamper
Outputs:	Two relays - form-C, 2 Amp, 30 Vdc
Reader Ports:	Reader Port one: One TTL reader, or one RS-485 type reader. Note: if two RS-485 type readers are used, the second port cannot be utilized Reader Port two: One TTL reader. Note: If the first reader port has two RS-485 readers, then no readers are supported on the second reader port. Two TTL reader ports or one 2-wire RS-485 reader port capable of supporting two readers
Keypad:	Multiplexed with card data
LED:	11 status LED's. TTL, two wire or one wire bi-color support.
Buzzer:	One-wire LED mode
Dimensions:	5.5"W x 2.75"L x .96"H (140mm x 70mm x 24mm) without bracket 5.5"W x 3.63"L x 1.33"H (140mm x 92mm x 34mm) with bracket
Temperature:	Operating: 32° to 158° F (0° to 70° C) Storage: -67° to 185° F (-55° to 85° C)
Heat Output:	18 BTU/hour
Humidity:	10 to 95% relative humidity, non-condensing (RHNC)
Approvals:	FCC Part 15, CE, RoHS, UL 294B, UL 1076, ULC CSA-C22.2, CAN/ULC-S319-05, cUL/ORD-C1076

Note: For UL, the Power Sourcing Equipment (PSE) such as a PoE enabled network switch and/or
PoE power injectors must be UL Listed under UL294.

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