



LNL-500

Lenel Intelligent System Controller

Overview

The LNL-500 Intelligent System Controller (ISC) by Lenel serves as the access control engine for a Lenel OnGuard system. The ISC provides power, performance, and flexibility for the most demanding applications. Multiple combinations of Input Control Modules, Output Control Modules, and Card Reader Interface Modules can be connected.

The ISC can communicate upstream at 38.4 Kbps via RS-232/RS-485 multidropped configuration, modem dial-up communication, or Ethernet TCP/IP networks. The ISC can store up to 12,500 cardholders. The ISC can have two downstream 2-wire RS-485 channels or one 4-wire RS-485 channel. In either configuration, you may connect up to 32 readers or 16 devices on a single Intelligent System Controller. Each device (LNL-1100, LNL-1200, LNL-1300, LNL-1320) uses one device address.

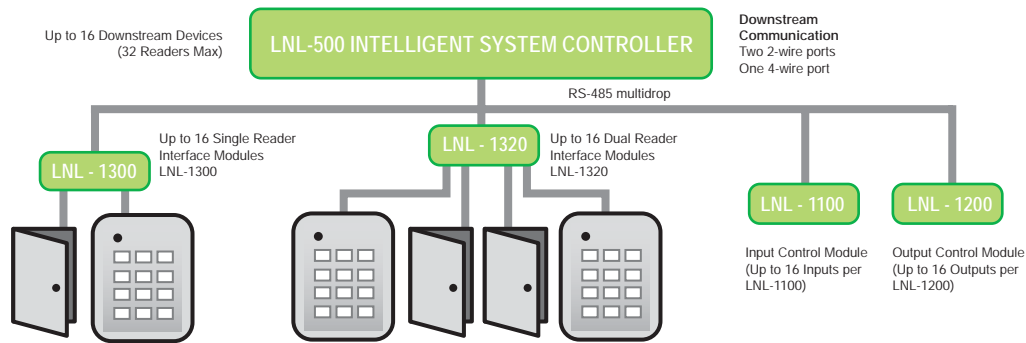
Features and Functionality

- Host communications - 38.4 Kbps direct wire (RS-232/RS-485 multidropped), Ethernet TCP/IP, or dial-up communication
- 12 VAC or 12 VDC input power
- Supports up to 8 different card formats simultaneously
- Enhanced anti-passback capabilities
- Flash memory for real-time program updates
- Lithium battery back-up
- Up to 32,000 access levels
- 255 holidays with grouping
- 255 timezones, each with 6 time intervals
- Elevator control, support for 64 floors
- 512 KB onboard memory (Up to 12,500 cardholders)
- Up to 16 downstream devices and 32 readers
- Alarm masking
- Individual extended held open and strike times (ADA required)
- Up to 9-digit PIN codes
- Biometric smart card template storage support
- Status LEDs for heartbeat, upstream and downstream communication
- 2 dedicated inputs for tamper and power failure status
- UL 294 and 1076 listed, CE marked
- NIST certified Advanced Encryption Standard (AES) 128-bit communication algorithm



A UTC Fire & Security Company

LNL-500



Reader Options

LNL-500

Standard onboard memory is 512 KB

Host Communications

LNL-ETHLAN-MICR

CoBox Micro serial server, flash ROM, RJ-45 (10/100Base-T), diagnostic LEDs, dimensions 1.57 x 1.93 in., internally powered and includes standoffs

Dial-Up Modem

LNL-56KEXT

56 K external modem with cables

LNL-DC336K

12 VDC powered, 33.6 K external modem for Intelligent System Controller

Power Supplies & Enclosures

LNL-AL400ULX

Lenel UL Listed 4 A, 110 VAC Power Supply - 12 VDC or 24 VDC 4 A output (switch-selectable), 120 VAC input, continuous supply current with enclosure (12 x 16 x 4.5 in.), lock and open frame transformer, tamper switch, UPS capable (battery optional), UL approved

LNL-AL600ULX-4CB6

Lenel UL Listed Power Supply - 12 VDC or 24 VDC 6 A output (switch-selectable), 120 VAC (1.6 amps) input, continuous supply current with enclosure (18 x 24 x 4.5 in.), lock and open frame transformer, tamper switch, UPS capable (battery optional), UL approved

ABT-12

Battery Kit - 12 VDC, 12 AH battery (PS-12120)

Specifications

Primary Power (DC or AC)

* The ISC is for use in low voltage, power-limited, class 2 circuits only.

DC input:

12 VDC \pm 15%. 250 mA

AC Input:

12 VAC \pm 15%. 400 mA RMS

Memory and Clock Backup

3 V lithium, type BR2325

Environmental

Temperature:

Operating: 0° to +70° C (32° to 158° F)

Storage: -55° to +85° C (-67° to 185° F)

Humidity:

0 to 95% RHNC

Mechanical

Dimensions:

6 x 5 x 1 in. (152 x 127 x 25 mm)

Weight:

8 oz. (230 g) nominal

Approvals

UL 294 and 1076 listed, CE marked

NIST certified Advanced Encryption Standard (AES) 128-bit communication algorithm