intelligent
lighting controls
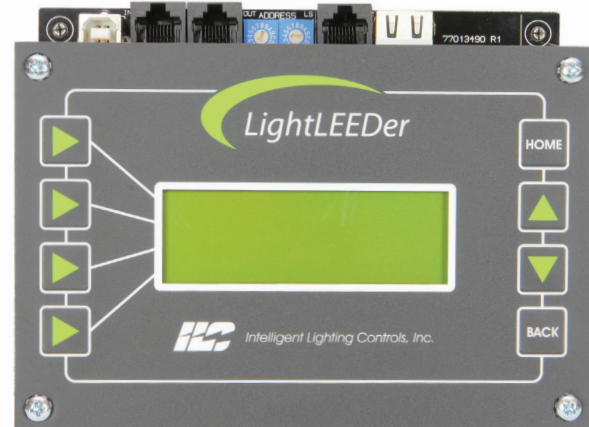A Cooper Lighting Solutions business

LightLEEDer | Expansion Processor

Overview

The LightLEEDer Expansion Processor gives the LS04-RC, LSEVO-RC, LSEVO-INT-2RC, LSEVO-4X, and LSEVO-8X all the features of a standard LightLEEDer panel which includes CAT-5 networking and time scheduling. Processors include a keyboard/LCD along with USB and optional TCP/IP connection for programming with the complementary LightLEEDer Pro Software. Add-On modules are also available for connecting to BAS, theatrical, or security systems.
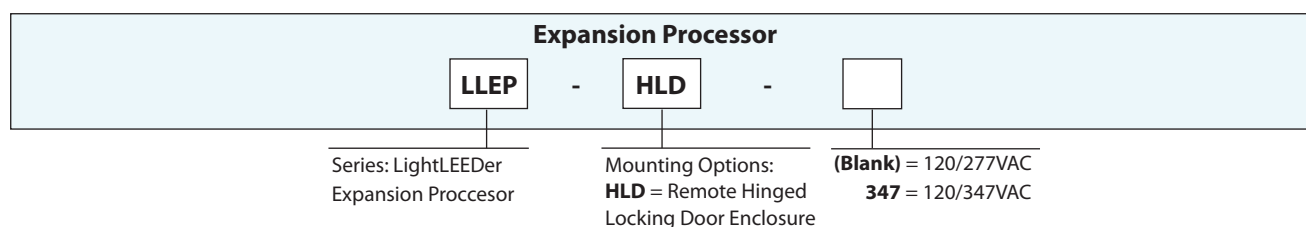
Features

- **Made in the USA**
- **Digital Cat-5 Ready**
- **Controls** LS04-RC, LSEVO-RC, LSEVO-INT-2RC, LSEVO-4X, or LSEVO-8X panels
- **Adds** standard panel capabilities to remote panels
- **Programming Options** are done with a Integral keypad with 4 line LCD Display or using LightLEEDer Pro software via USB or optional TCP/IP or optional modem
- **Network Capability** gives you the ability to connect up to the LightLEEDer network.
- **TCP/IP** option (Ordered separately)
- **Relay Groups** can be comprised of any relay on the network and assigned to any of the 256 groups available can be controlled by any timer, switch, or other external commands
- **Relay Presets** can be programmed from any relay ON/OFF patterns and be assigned to any of the 256 presets available and can be controlled by any timer, switch, or other external commands

- **Timer Scheduling** for 128 available timers that can turn relays ON or OFF for Time-of-Day, Astronomical times, and Open/Close.
- **Clock Functions** features Automatic Astronomical calculation of Sunrise and Sunset and Adjustable Daylight Saving Time and enable/disable feature
- **Add-On Modules** can be added to each controller which include BACnet IP, BACnet MSTP, Modbus RTU, Modbus ASCII, Modbus TCP, N2, and DMX512

Safeguards:
- **Power surge and spike suppression** up to 123 volts on the 24VAC power input
- **Data Line surge and spike suppression** up to 8kv direct and 15ky thru air
- **Memory retention** for firmware and programming up to 200 years and electrostatic discharge to 4kv
- **Real-Time-Clock time retention** 45 days or greater without power
- **Internal memory** backup and restore

Warranty
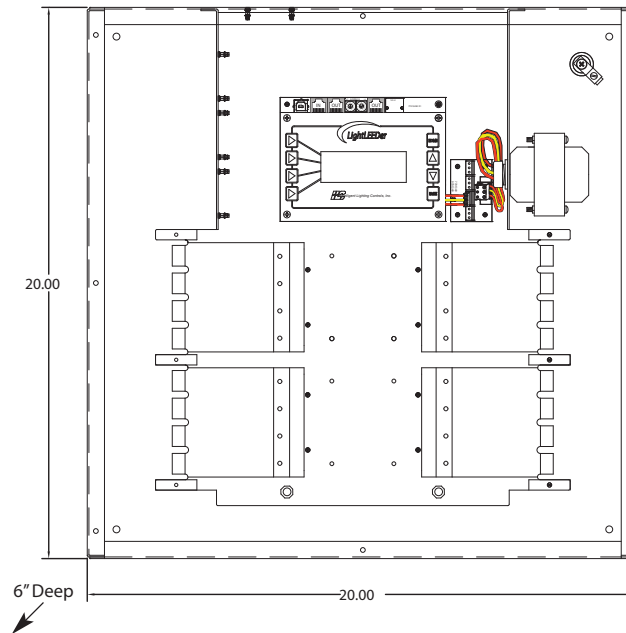
Five-year limited warranty

Ordering

Expansion Processor				
LLEP	-	**HLD**	-	☐

Series: LightLEEDer Expansion Proccesor

Mounting Options:
HLD = Remote Hinged Locking Door Enclosure

(Blank) = 120/277VAC
347 = 120/347VAC

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| Light**LEED**er | Expansion Processor |

Physical

Remote Hinged Locking Door Enclosure

20.00

6" Deep

20.00

Specifications

Physical:
• 20"W x 20"H x 6"D
• NEMA 1 enclosure
• Hinged locking door
• Slam latch provided
• Provided with pre-drilled mounting holes
• High voltage barrier separate low/high
  voltage wiring
• Transformer provided
• Room for other accessories

Electrical:
• 120/277VAC @ 1 Amp, or optional 120/347 VAC

Operating Environment:
• Location: Interior space
• Operating Temperature: 0° to 50° C
• Humidity: 10% - 90% Non-condensing
• Atmosphere: Non-explosive/corrosive
• Vibration: Stationary

Certifications and Approvals:
• UL
• CUL
• FCC Part 15
• Title 24
• ASHRAE compliant
• LEED compliant