LUMISYS
BUILT FOR INTEGRATION

Overview

Leverage the Power of BAS Integration

The L28 Series UL Listed, Mini Lighting Control Panel is designed to control lighting loads in small to medium sized buildings. This low cost unit is ideal for control of up to eight lighting loads or 277 volt, 20 amp circuits and monitoring of up to sixteen programmable switch inputs.

The L28 Series Mini Lighting Control Panel integrates with most building automation systems; reducing frustration for the building engineer by eliminating the need to learn to operate and maintain a separate lighting control system.

Green Impact

System	Category	Prereq.	LEED Credit
EB	SS	-	7
EB	EA	2	1,6
EB	IEQ	-	6,8
EB	IUOM	-	1
NC	SS	-	8
NC	EA	2	1
NC	MR	-	5
NC	EQ	-	6,8
NC	ID	-	1

L28 interior displayed with cover removed and High Voltage cover in place.

Ordering Information

Catalog #	Description (Order Method 1 - Factory Assembled)
L28	Lumisys L28 Series Mini Lighting Control Panel (Factory Assembled) Exterior, Interior and Trim
LR-3	Lumisys 3-pin Latching Relay - 20A @ 277 VAC. Order the quantity you required but not exceeding the capacity of the panel (8), plus any spares.

Optional Accessories	Catalog #	Description
	AI6	Input expansion card. Allows connection of up to six Lumisys LS5 series light level input modules

Specifications:

Electrical
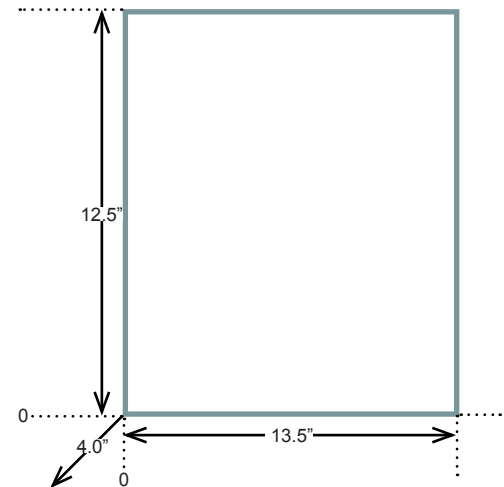|	
Programmable Switch Inputs	Up to 16 (dry contact or up to 24VDC) ; Up to 6 optional LS-5 light level sensors
CPU Power Supply	30VA, 24VAC minimum ± 10%
Panel Power Supply	115/277 VAC, 30 VA, 60 Hz ± 10% (field selectable)
Communications	Network ready, two wire RS-485
Relay Drive Signal	24VDC, 0.024s-1.56s selectable, energize pulse for mechanically latching relays
Output Rating	Lamp Load -20 amp Ballast
	277VAC, 20 amp Tungsten 277 VAC,
	20 amp Resistive 277 VAC,
	347 VAC general (UL Listed Relay)
Output Contacts	SPST latching maintained
Output Terminals	2 slotted screw terminals
Output Wire	#14-10 AWG solid or stranded wire, copper only

Mechanical
Enclosure Dimensions	13.5" W x 12.75"H x 4"D
Door Dimensions	14.5" W x 13.75"H x 1/8"D
Enclosure Type	NEMA 1
Weight (complete)	8 lbs.

Environmental
Operating Temperature	32° to 125° F (0° to 50° C)
Operating Humidity	10% - 95%RH, non-condensing
System Certification	Underwriters Laboratories UL 916,
	FCC Part 15 compliant, CEC Title 24

12.5"

0

4.0"

13.5"

0

Compatibility Matrix

Native Protocol Compatiblity:
Metasys N2 direct connect
Apogee Open Processor direct connect

Compatibility via Lumisys E-LINK	
BACnet IP	Modbus ASCII
BACnet Ethernet	Modbus RTU
BACnet ARCnet	Modbus TCP

Wiring

Blue

24 V

Yellow

White — Common

Black — 120 V

Brown — 277 V

Black

Hot

Transformer

Fuse Holder

Choose which spade connector to connect to fuse. This will enable either 120 or 277V to hot.

L28 Latching Contactor

Fuse or Breaker

Load

Hot
(size per N.E.C.)

Neutral