

CK4A – ControlKeeper 4A

Catalog#	Prepared by
Project	Date
Comments	Type

Overview

The ControlKeeper 4A network lighting control panel is a cost-effective, specification grade lighting control system. Control up to 4 relays per panel with optional support for up to four 0-10V dimming ballast control outputs. Network up to 254 ControlKeeper panels for a state of the art lighting control system.


Features

- Support for up to four 0-10V dimming ballast outputs
- Electrically held normally open as well as mechanically latched and two pole relays available
- Capable of controlling receptacle loads
- 4 single pole or 2 two pole serial relays
- Open or closed loop control algorithms



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Specifications

Enclosure	NEMA 1 surface mount enclosure
Size	10" H x 14" W x 3.5" D
Transformer Ratings	Multi-tapped 120/277 VAC internally fused standard Optional 347 VAC internally fused Optional 220/230 VAC 50/60 Hz internally fused Optional 220/240 VAC 50/60 Hz internally fused
Power Use Ratings	Fully loaded panel 40 watts
Load Types	4-wire fluorescent loads, 0-10 VDC Isolated (40 μ A max per circuit leakage to line) Each 0-10V output supports up to 50 ballasts/drivers that draw the standard 2mA each
Operating Environment	Temperature: 32°F to 122°F (0°C to 50°C)
Master Override	ON/AUTO/OFF
Programming	Optional PC Software
Standard Relay Ratings	20A, 120/277 VAC Normally open Maximum wire size: 10 AWG Mechanical operations: 10 million
Latching Relay Ratings	20A, 120/277 VAC 15A, 347 VAC Maximum wire size: 6 AWG Mechanical operations: 10 million Provides a system SCCR rating of 10,000A
Two Pole Relay Ratings	20A, 208/240/480 VAC Normally open Maximum wire size: 6 AWG Mechanical operations: 10 million
Standards	UL Approval UL 916 Listed 

System Includes

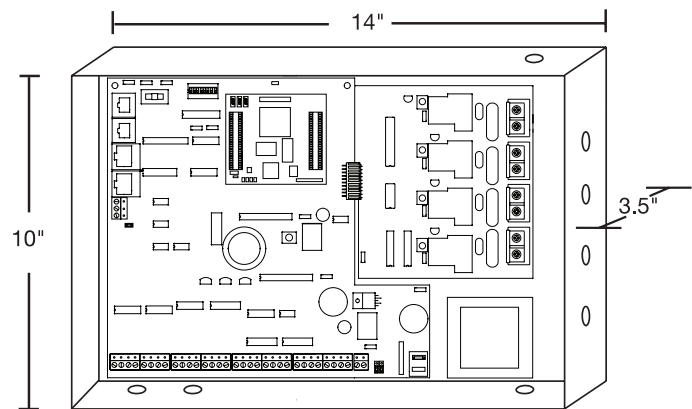
- UL listed – UL 916 standard
- NEMA 1 enclosure
- 4 relays
- Support for 4 three-wire or 8 two-wire low voltage inputs
- 4 analog inputs
- Digital Switch interface
- Time schedules with astronomic clock
- Prioritization and masking of switch inputs, time schedules and remotes
- Timed inputs
- Occupant warn-off and overrides
- RS-232 port standard
- RS-485 network standard
- Open/Closed loop daylighting
- Control receptacle loads with Latching Relay Card

Accessories

- Keeper Enterprise Network Software
- Ethernet Interface Module
- Automation Interface Module
- CEPC (UL 924 Accessory)
- Greengate Digital Switch (GDS)
- Low Voltage Switches
- Contact Input or Analog Photocells
- Occupancy Sensor

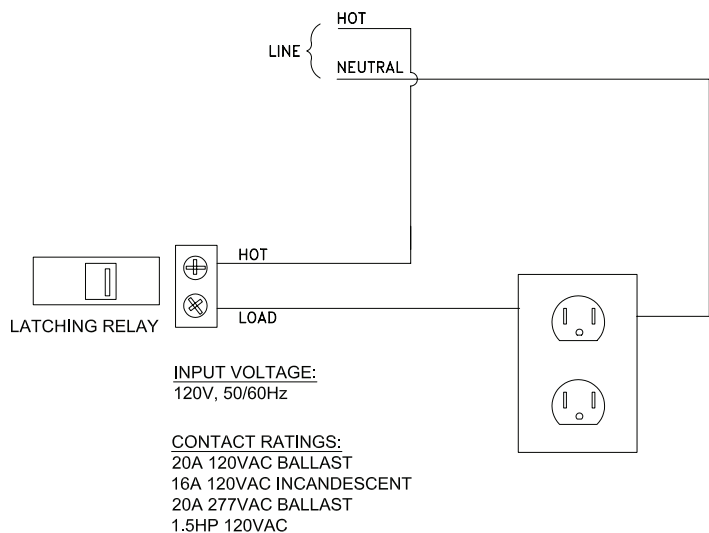
Dimensions

Enclosure

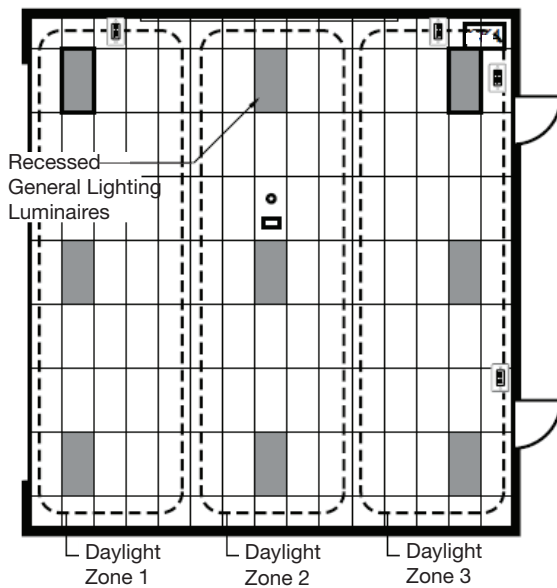


Wiring Diagram

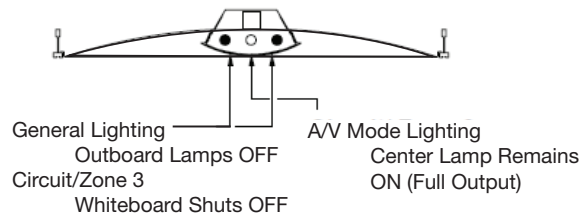
Latching Relay Receptacle Control



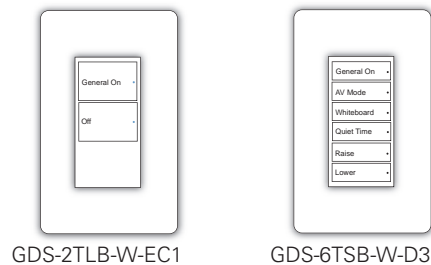
Reflective Ceiling Plan



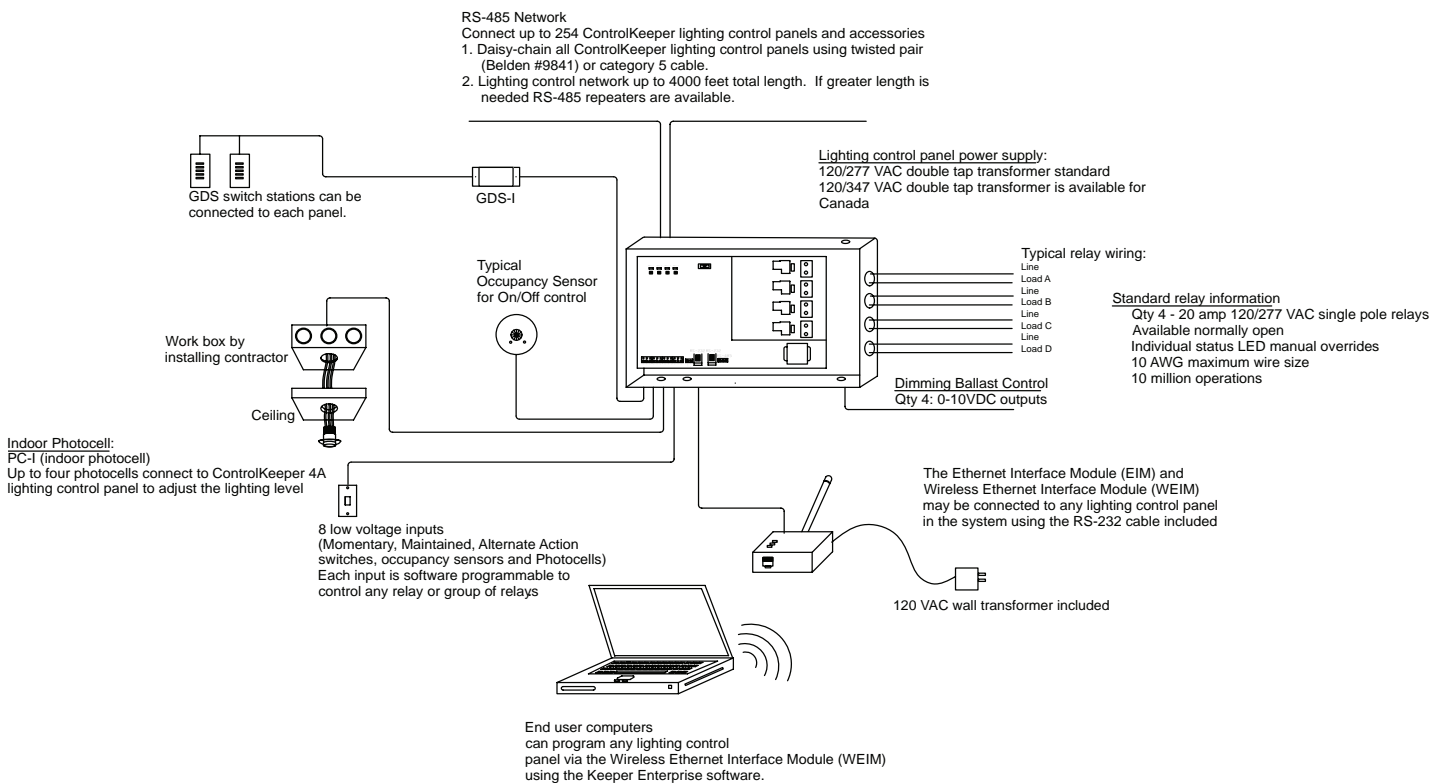
Sample Circuiting



Sample Switch Control

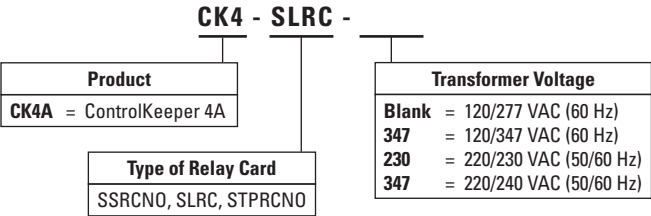


Sample One-Line



Ordering

This is a network-ready lighting control system. It can be combined with other ControlKeeper series panels to create a scalable, networked lighting control scheme. It can be ordered with any suitable system option or accessory.



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