

Project		Catalog #		Type	
Prepared by		Notes		Date	



Greengate

CKM18, CKM36 & CKM48

ControlKeeper M

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Product Certification



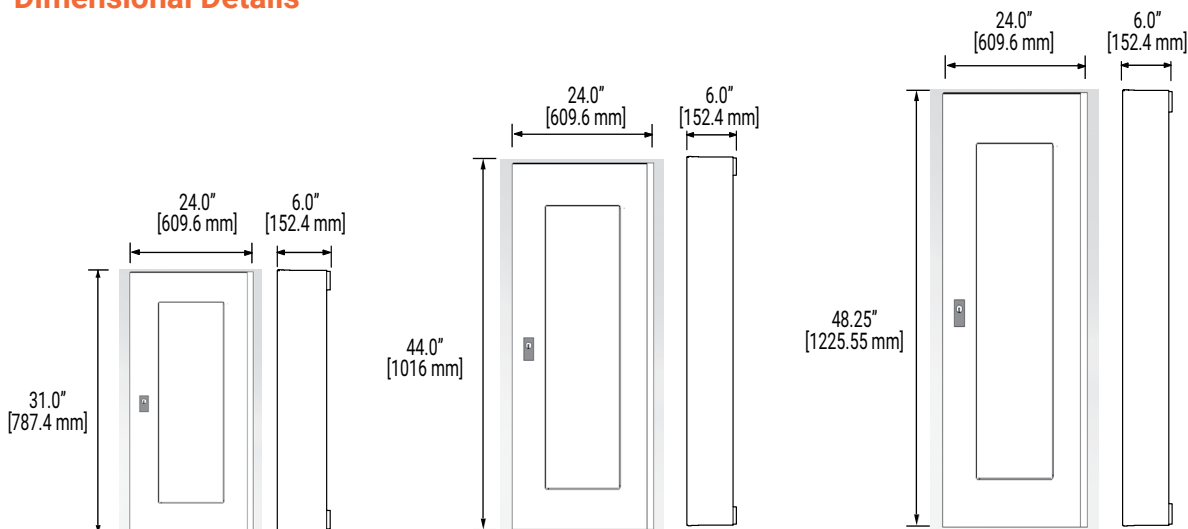
Product Features



Top Product Features

- True real-time power metering relay panel
- Capable of controlling receptacle loads
- Individually replaceable relays with arc suppression technology
- Programming stored in non-volatile memory
- Capable of mixed load voltages (120/277/347 VAC) as well as mixed sources (ie. normal and emergency power)

Dimensional Details



[additional product diagrams](#)

Order Information

SAMPLE ORDER NUMBER: **CKM-18-6-5-2-S-T-CCM1-AN1**

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.

Catalog Number

Product	Panel Size	# of Latching Relays (Single Space)	# of Electrically Held Relays (Single Space)	# of Two Pole Relays (Two Spaces)
CKM = ControlKeeper M	18 = 18 Size 36 = 36 Size 48 = 48 Size	0-18 = 0-18 for 18 Size panel 0-36 = 0-36 for 36 Size panel 0-48 = 0-48 for 48 Size panel	0-18 = 0-18 for Size panel 0-36 = 0-36 for 36 Size panel 0-48 = 0-48 for 48 Size panel	0-8 = 0-8 for 18 Size panel 0-18 = 0-18 for 36 Size panel 0-24 = 0-24 for 48 Size panel

Enclosure	Display	Inputs (each CCM supplies 18 Contact Inputs)	Analogs (Optional Analog Inputs)
S = Surface	NT = No TouchScreen T = TouchScreen	0, CCM1 = 18 Size 0, CCM1, CCM2 = 36 Size 0, CCM1, CCM2, CCM3 = 48 Size	0, AN1, AN2 = 18 Size 0, AN1, AN2, AN3, AN4 = 36 Size 0, AN1, AN2, AN3, AN4, AN5, AN6 = 48 Size (AN's require the correct number of CCM's installed. Two ANs can be installed per CCM. Each AN provides four analog 0-10V inputs).

Optional Accessories

Catalog Number	Description
iBarrier	Individual Relay Barrier, Voltage and Power Source Separation

Product Specifications

Key Features

ControlKeeper M network lighting control panels are scalable to any size application. The large view color touchscreen permits entire network programming and monitoring for complete system control and integration. Control up to 48 relays per panel with discrete inputs for occupancy sensors, low voltage switches and other input devices. ControlKeeper M network panels are designed for intuitive programming, and monitoring of the relays. The relays automatically sense the optimal time to switch lighting loads.

Mechanical

Size: 10"H X 14"W X 3.5"D (254 mm x 355.6 mm x 89 mm)

Environment:

- Operating temperature: 32°F to 122°F (0°C to 50°C)

Housing: NEMA 1 surface mount enclosure

Electrical

Transformer Ratings

- Wide input voltage power supply, 120-347 VAC

Power Use Ratings:

- Fully loaded panel 90 watts

Master Override:

- ON/AUTO/OFF or Individual relay control with status LED

Standard Relay Ratings:

- 20A, 120/277 VAC per relay
- 10A, 120/277 VAC electronic ballast (LED)
- Normally open
- Maximum wire size: 8 AWG
- 1HP @ 120 VAC, 2HP @ 277 VAC

Latching Relay Ratings

- Normally open, normally closed latching
- 20A, 120/277 VAC electronic ballast (LED)
- 15A, 347 VAC (LED)
- Maximum wire size: 8 AWG
- 1HP @ 120 VAC, 2HP @ 277 VAC

Two Pole Relay Ratings

- Normally open
- Maximum wire size: 6 AWG
- 20A, 208/240/480 VAC
- Relays have a minimum 25K SCCR

Software Specifications

Programming:

- Onboard TouchScreen Interface
- One panel or entire network
- Optional PC Software

System Includes:

- NEMA 1 enclosure
- Low Voltage input connections
- Digital Switch Interface
- 0-10V inputs
- Time schedules with astronomic clock
- Controls receptacle loads with latching relay module
- Prioritization and masking of switch inputs, time schedules and remotes
- Timed inputs
- Occupant warn-off and overrides
- RS-232 port
- Power Metering
- Onboard Ethernet port
- UL Listed - UL 924 with LRM

Accessories:

- Automation Interface Module
- Keeper Enterprise Software
- Ethernet Interface Module
- Digital Switch
- Dry Contact Switches
- Occupancy & Daylighting Sensors

Standards/Ratings

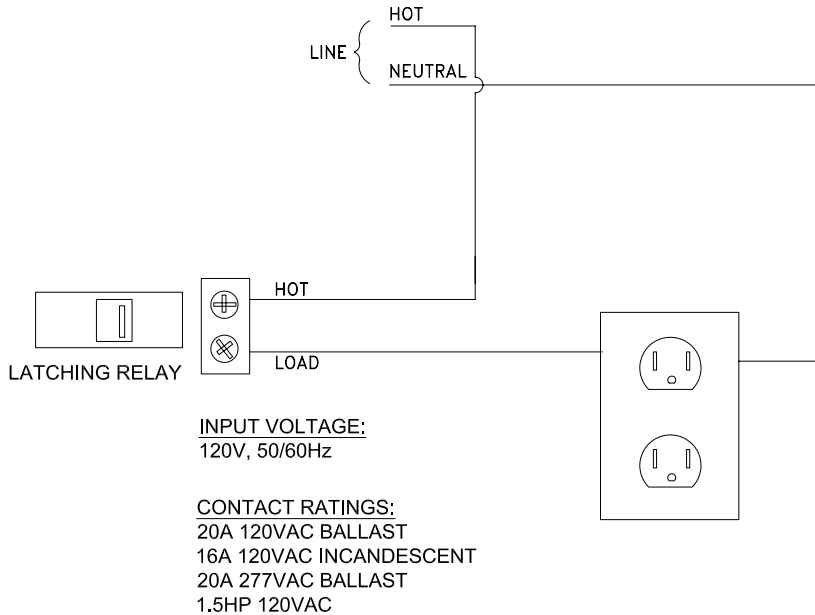
- UL Approval
- UL 508 Listed
- UL 924 with LRM

Warranty

Consult website for warranty information

Wiring Diagrams

Latching Relay Receptacle Control



Sample One-Line

