Overview
The ControlKeeper TouchScreen network lighting control panel is a cost-effective, specification grade lighting control system that can control up to 48 relays per panel. Network up to 254 ControlKeeper panels for a state-of-the-art lighting control system.

Features
- Capable of mixed load voltages as well as mixed sources (i.e., normal and emergency power)
- Capable of controlling receptacle loads
- Normally open, latched and two-pole serial relays available
- 30 Amp relays one used on all 20A relay cards to extend relay life
- Suitable to control LED loads, review relay card specifications
**Specifications**

<table>
<thead>
<tr>
<th>Enclosure</th>
<th>NEMA 1 surface mount, lockable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>CKT16: 18&quot;H X 15&quot;W X 6.25&quot;D (up to 16 relays)</td>
</tr>
<tr>
<td></td>
<td>CKT32: 30&quot;H X 15&quot;W X 6.25&quot;D (up to 32 relays)</td>
</tr>
<tr>
<td></td>
<td>CKT48: 41&quot;H X 15&quot;W X 6.25&quot;D (up to 48 relays)</td>
</tr>
<tr>
<td>Transformer Ratings</td>
<td>Multi-tapped 120/277 VAC internally fused standard</td>
</tr>
<tr>
<td></td>
<td>Optional 347 VAC internally fused</td>
</tr>
<tr>
<td></td>
<td>Optional 220/230 VAC 50/60 Hz internally fused</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>Temperature: 32°F to 122°F (0°C to 50°C)</td>
</tr>
<tr>
<td>Master Override</td>
<td>ON/AUTO/OFF</td>
</tr>
<tr>
<td>Programming</td>
<td>Onboard TouchScreen Interface</td>
</tr>
<tr>
<td>Standard Relay Ratings</td>
<td>20A, 120/277VAC per relay</td>
</tr>
<tr>
<td></td>
<td>10A, 120/277VAC electronic ballast, (LED)</td>
</tr>
<tr>
<td></td>
<td>Normally open</td>
</tr>
<tr>
<td></td>
<td>Max wire size: 10 AWG</td>
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<tr>
<td></td>
<td>Mechanical operations: 10 million</td>
</tr>
<tr>
<td>Latching Relay Ratings</td>
<td>20A, 120/277VAC electronic ballast (LED)</td>
</tr>
<tr>
<td></td>
<td>15A, 347 VAC</td>
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<tr>
<td></td>
<td>Maximum wire size: 6 AWG</td>
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<tr>
<td></td>
<td>Mechanical operations: 10 million</td>
</tr>
<tr>
<td></td>
<td>Provides a system SCCR rating of 10,000A</td>
</tr>
<tr>
<td>Two Pole Relay Ratings</td>
<td>20A, 208/240/480 VAC</td>
</tr>
<tr>
<td></td>
<td>Normally open</td>
</tr>
<tr>
<td></td>
<td>Maximum wire size: 6 AWG</td>
</tr>
<tr>
<td></td>
<td>Mechanical operations: 10 million</td>
</tr>
<tr>
<td>Standards</td>
<td>UL Approval</td>
</tr>
<tr>
<td></td>
<td>UL 916 Listed</td>
</tr>
<tr>
<td></td>
<td>UL 924 with RIM</td>
</tr>
</tbody>
</table>

**System Includes**

- UL listed – UL 916 standard
- NEMA 1 enclosure
- 32 low voltage input connections
- 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
- TouchScreen
- RS-232 port standard
- RS-485 network standard
- 4 analog inputs
- UL Listed - UL 924 with RIM
- Controls receptacle loads with latching relay card

**System Includes**

- Keeper Enterprise Software
- CEPC (UL 924 Accessory)
- Ethernet Interface Module
- Greengate Digital Switch (GDS)
- Low Voltage Switches
- Flush Mount Kit Available
- High Voltage Barrier
- Occupancy Sensors

**Dimensions**

**Enclosure**

CKT16

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High Voltage Barrier and Dividers

High Voltage Separation Barrier

High Voltage Wiring Compartment

System Power Supply

High Voltage Separation Barrier

High Voltage Wiring Compartment

System Power Supply
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CKT32

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High Voltage Separation Barrier

High Voltage Wiring Compartment

System Power Supply

High Voltage Separation Barrier

High Voltage Wiring Compartment

System Power Supply
```

CKT48

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High Voltage Separation Barrier

High Voltage Wiring Compartment

System Power Supply

High Voltage Separation Barrier

High Voltage Wiring Compartment

System Power Supply
```

**Accessories**

- Keeper Enterprise Software
- CEPC (UL 924 Accessory)
- Ethernet Interface Module
- Greengate Digital Switch (GDS)
- Low Voltage Switches
- Flush Mount Kit Available
- High Voltage Barrier
- Occupancy Sensors
**Wiring Diagram**

**Latching Relay Receptacle Control**

- **Input Voltage:** 120V, 50/60Hz
- **Contact Ratings:**
  - 20A 120VAC Ballast
  - 16A 120VAC Incandescent
  - 20A 277VAC Ballast
  - 1.5HP 120VAC

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**ample One-Line**

- Ethernet link: Programming access or Power Metering data access
- To other lighting control panels

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**Cable type:**
- GDS Cable type: LCCNP or LCCP or Belden 1502; maximum distance 1000 feet per GDS network
- Ethernet link: Programming access or Power Metering data access
- Cable type: Belden 9841 or equal; Maximum distance 4000 feet per network

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**To other lighting control panels**
### Ordering

All ControlKeeper TouchScreen lighting control panels require a Logic Board (CKT LB). The logic board is shipped separately from the enclosure and is listed as a separate line item. When ordering any of the below models, you must also order the CKT LB.

### Product Size

- **CKT** = ControlKeeper TouchScreen
- **16** = 16 Size
- **32** = 32 Size
- **48** = 48 Size

### Voltage

- **120/277** = 120/277V 60 Hz
- **120/347** = 120/347V 60 Hz
- **220/230** = 220/230V 50/60 Hz
- **220/240** = 220/240V 50/60 Hz

### # of SSRC's

- **0-4 Cards** = 16 Size
- **0-8 Cards** = 32 Size
- **0-12 Cards** = 48 Size
(See SXRC cut sheet)

### # of SLRC's

- **0-4 Cards** = 16 Size
- **0-8 Cards** = 32 Size
- **0-12 Cards** = 48 Size
(See SXRC cut sheet)

### # of STPRC's

- **0-1** = 16 Size
- **0-3** = 32 Size
- **0-5** = 48 Size
(See SXRC cut sheet)

### # of High Voltage Barriers

- **0-1** = 16 Size
- **0-3** = 32 Size
- **0-5** = 48 Size
Factory installed in the lowest location of the panel

### # of High Voltage Dividers

- **0-1** = 16 Size
- **0-3** = 32 Size
- **0-6** = 48 Size
Factory installed in the lowest location of the panel

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### Catalog # Description

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CKT LB</td>
<td>ControlKeeper TouchScreen Logic Board (required per enclosure)</td>
</tr>
<tr>
<td>CKT16 FK</td>
<td>ControlKeeper TouchScreen 16 size Flushmount Kit (option)</td>
</tr>
<tr>
<td>CKT32 FK</td>
<td>ControlKeeper TouchScreen 32 size Flushmount Kit (option)</td>
</tr>
<tr>
<td>CKT48 FK</td>
<td>ControlKeeper TouchScreen 48 size Flushmount Kit (option)</td>
</tr>
</tbody>
</table>