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Questions? Answers at…
Western US: 1-866 CED-ELEV
or 1-866-233-3538 • Fax 1-562-427-8429
Eastern US: 1-866-253-2915
or 1-860-256-2211 • Fax 1-860-290-8970

or visit us online at
www.cedelevator.com
for 24 hour order entry,
cross reference database,
product specifications
with pictures and much more!

Full line catalog available on request
Car Station Units

Car Station Notes:
- Faceplate: #11-gauge stainless steel, #4 brush finish
- Dimensions: Faceplate: 10.00” x 60.50”
  Box: 9.00” x 59.00” x 3.50” DP
- Lamp Voltage: Multi-volt 7½–120V AC/DC
- Speaker Grill: Wurtec
- Hinge Side: Customer to specify left/right
- Fasteners: Panel Locks

Push Buttons:
- CA-92 ERM standard round button:
  Ø1.38” black halo with illuminating
  California raised round, plastic cap
- Braille: Ø1.38” raised white characters
  on black background flush mounted into panel.

Stop Switches (ERM-J202):
- ERM key switch/red with white characters
  along with ERM round braille.

Key Switches (ERM 01.393):
- Inspection (ERM-J204); Independent (ERM-J201);
  Fan/Light (ERM-J201)

Engraved Graphics:
- “No Smoking” – .75” black
- “Capacity ___ lbs” – .25” black
- “Firefighters Operation” – .50” red
- “Flashes when call….” – .125” black

In-Box Components:
- Fire buzzer – 120VAC
- Nudging buzzer – 120VAC

Questions? Answers at…
or 866-233-8538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>OOP3004502</td>
<td>2-Stop</td>
<td>OOP3004505</td>
<td>5-Stop</td>
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<td>OOP3004503</td>
<td>3-Stop</td>
<td>OOP3004506</td>
<td>6-Stop</td>
</tr>
<tr>
<td>OOP3004504</td>
<td>4-Stop</td>
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<td></td>
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</table>
Hall Stations & Car Lanterns

All models come with the following unless otherwise noted:

- **Faceplate:** #11-gauge stainless steel, #4 brush finish
- **Lamp Voltage:** 120V LED
- **Fasteners:** Tamperproof screws

**Terminal Hall Station**
- Part Number: OOP3004520
- **Dimensions:** Faceplate: 5.00” x 21.00”
  Box: 2.75” x 7.63” x 3.50” DP
- **Push Buttons:** CA-92 standard round

**Terminal with Fire Service**
- Part Number: OOP3004555
- **Dimensions:** Faceplate: 5.00” x 21.00”
  Box: 2.75” x 7.63” x 3.50” DP
- **Push Buttons:** CA-93
- **Key Switches:** ERM 01.393”
  Fire Service reset/off/on (ERM-HW1002)

**Terminal with Access**
- Part Number: OOP3004540
- **Dimensions:** Faceplate: 5.00” x 21.00”
  Box: 2.75” x 10.63” x 3.50” DP
- **Push Buttons:** CA-93
- **Key Switches:** ERM 01.393”
  Access (ERM-J204)

**Terminal with Access, Fire Service**
- Part Number: OOP3004555
- **Dimensions:** Faceplate: 5.00” x 21.00”
  Box: 2.75” x 10.63” x 3.50” DP
- **Push Buttons:** CA-93
- **Key Switches:** ERM 01.393”
  Fire Service reset/off/on (ERM-HW1002), Access (ERM-J204)

**Intermediate Hall Station**
- Part Number: OOP3004060
- **Dimensions:** Faceplate: 5.00” x 21.00”
  Box: 2.75” x 7.63” x 3.50” DP
- **Push Buttons:** CA-92 standard round

**Intermediate with Fire Service**
- Part Number: OOP3004075
- **Dimensions:** 5.00” x 21.00”
  Box: 2.75” x 10.63” x 3.50” DP
- **Push Buttons:** CA-93
- **Key Switches:** ERM 01.393” Fire Service reset/off/on (ERM-HW1002)

**Intermediate Lantern**
- Part Number: OOP3003045
- **Dimensions:** Faceplate: 3.50” x 12.75”
  Box: 2.75” x 10.38” x 3.50” DP
- **Lantern Arrows:** 2.50” x 2.50”
  White lexan translucent plastic, extended .188” from faceplate

Questions? Answers at...

**Western US:** 866 CED-ELEV  **Eastern US:** 866-253-2915
or 866-235-5358  **Fax:** 562-427-8429  or 866-256-2211  **Fax:** 860-290-8970
Push Button/Braille Selection

Please contact CED if you have specific requirements that are not illustrated on this page.

Round Stainless Steel
- Vandal Resistant
- Round Stainless Steel Mirror Polished
- Square Stainless Steel Flush Mount (Also available in Raised Mirror Finish.)
- Integrated Round
- Integrated Square

Stainless Steel with Bronze Center
- Standard Square
- Standard Round
- Round Bronze Mirror Polished
- Square Bronze Raised Mirror Polished

Bronze characters
Top row, White characters
Bottom row, Stainless Steel characters

Questions? Answers at...
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970
Smartrise™ Elevator Controllers

Smartrise™ is a non-proprietary, state-of-the-art elevator control platform. Built to outperform today’s leading elevator controllers, the Smartrise™ system never compromises when it comes to safety. Four independent control systems divide and conquer the task of moving passengers quickly and safely to their destinations.

Smartrise™ controllers are designed with the field installer always in mind. Our traveler cables use five times fewer wires than many competitors. That means smaller, cheaper, lighter and easier to handle cables. But, Smartrise™ reduces more than just cables—boards, relays, and hardware in general is kept to a minimum by our software centric design. Less hardware means fewer parts that can fail, and that means fewer spare parts for the maintenance contractor to keep in stock.

SRH Hydraulic Controller

The SRH Hydraulic Controller is one of the only hydraulic controllers on the market with velocity and distance feedback. It reduces valve adjustment time by watching the car performance on the screen.

Features
- Conveniently shares the same hardware and software platform as our high-end traction controllers.
- Feedback: Distance and Velocity
- Max Floors: 10
- Max Speed: 200 FPM
- Dimensions: 30” x 24” x 10”

Traction AC (Geared & Gearless)

The SRA AC Drive Traction Controller performs serial data exchange between the machine room, the top of the car and the car panel. This simplifies the programming effort with extensive communication and operator interface, available through the built-in LCD, eliminating the number of traveling cables all the way to 8-15 wires.

Features
- Application: Geared, Gearless
- Feedback: Distance and Velocity
- Max Floors: 96
- Max Speed: 1600 FPM
- Dimensions: 36” x 30” x 13”
- Location: Machine room and machine room less

Traction DC (Geared & Gearless)

The SRD DC Drive Traction Controller includes all the features of our AC controller with the option of a state-of-the-art, fully regenerative DC motor drive. It offers reduced utility line harmonics and near unity power factor.

Features
- Application: Geared, Gearless
- Feedback: Distance and Velocity
- Max Floors: 96
- Max Speed: 1600 FPM
- Dimensions: 36” x 30” x 13”
- Location: Machine room and machine room less

Questions? Answers at…

or 866-235-3538 • Fax 562-427-8429 or 866-256-2211 • Fax 866-290-8970

For dimensions and drawings please contact sales person
## Controller Cooling Systems
### Trimline Air-Cooled

#### Panel-Mounted Small Narrow Models

**NP17 Series**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>BTU/H</th>
<th>Ambient Temp. °F</th>
<th>Max./Min.</th>
<th>Volts</th>
<th>Hz</th>
<th>Running Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>KA4C2.0NP17L</td>
<td>2000</td>
<td>125/50</td>
<td>115/100</td>
<td>60/50</td>
<td>6.7/6.5</td>
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</tr>
<tr>
<td>KA4C2.0NP17LS6</td>
<td>2000</td>
<td>125/50</td>
<td>115*</td>
<td>50/60*</td>
<td>6.2/6.7</td>
<td></td>
</tr>
<tr>
<td>K2A4C2.0NP17L</td>
<td>2000</td>
<td>125/50</td>
<td>230/200</td>
<td>60/50</td>
<td>4.3</td>
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**Narrow-Mini Series (NM)**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>BTU/H</th>
<th>Ambient Temp. °F</th>
<th>Max./Min.</th>
<th>Volts</th>
<th>Hz</th>
<th>Running Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>KA4C2.5NML</td>
<td>2500</td>
<td>120/50</td>
<td>115/100</td>
<td>60/50</td>
<td>7.1</td>
<td></td>
</tr>
<tr>
<td>KA4C2.5NML56</td>
<td>2500</td>
<td>120/50</td>
<td>115*</td>
<td>50/60*</td>
<td>7.1</td>
<td></td>
</tr>
<tr>
<td>K2A4C2.5NML</td>
<td>2500</td>
<td>125/50</td>
<td>230/200</td>
<td>60/50</td>
<td>3.6</td>
<td></td>
</tr>
</tbody>
</table>

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### Weld nut mounting method, without M/TAB
- The transformer required to reduce 115 volt supply to 100 volts for 50 Hz compressor operation is externally mounted. Consult CED for resulting dimensional changes.
- Switchable: Switch is internally-mounted for security.

---

**Approximate Weight (lbs.):**

- NP17 Series: 59
- Narrow Mini Series: 53

**Standard Features**

- Built-in Condensate Evaporator
- CFC-Free Refrigerant
- Low Temperature Control Thermostat
- EM/RFI Suppressor
- M/TAB Mounting System
- UL/CUL Listed
- NEMA 12 Rating Maintained (UL50)*

---

**Questions? Answers at...**

**Western US:** 866 CED-ELEV  
**Eastern US:** 866-253-2915

or 866-233-3538  
Fax 562-427-8429  
or 866-256-2211  
Fax 860-290-8970

---

* Weld-nut mounting method, without M/TAB
* The transformer required to reduce 115 volt supply to 100 volts for 50 Hz compressor operation is externally mounted. Consult CED for resulting dimensional changes.
* Switchable: Switch is internally-mounted for security.
Controller Cooling Systems
Trimline Air-Cooled

Panel-Mounted Midsize Models
NP33 Series

<table>
<thead>
<tr>
<th>Model Number</th>
<th>BTU/H Rating</th>
<th>Ambient Temp. °F Max./Min.</th>
<th>Volts</th>
<th>Hz</th>
<th>Running Amps</th>
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</thead>
<tbody>
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<td>KA4C4NP33L</td>
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<td>115/100</td>
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<td>KA4C4NP33L56</td>
<td>4000</td>
<td>125/50</td>
<td>115</td>
<td>50/60*</td>
<td>12.8</td>
</tr>
<tr>
<td>K2A4C4NP33L</td>
<td>4000</td>
<td>120/50</td>
<td>230/200</td>
<td>60/50</td>
<td>5.5</td>
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</tbody>
</table>

NP36 Series

<table>
<thead>
<tr>
<th>Model Number</th>
<th>BTU/H Rating</th>
<th>Ambient Temp. °F Max./Min.</th>
<th>Volts</th>
<th>Hz</th>
<th>Running Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>KA4C4NP36L</td>
<td>4000</td>
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<td>13.5</td>
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<td>KA4C4NP36L56</td>
<td>4000</td>
<td>120/50</td>
<td>115</td>
<td>50/60*</td>
<td>13.5</td>
</tr>
<tr>
<td>K2A4C4NP36L</td>
<td>4000</td>
<td>125/50</td>
<td>230/200</td>
<td>60/50</td>
<td>7.5</td>
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<tr>
<td>KA4C6NP36R</td>
<td>4000</td>
<td>125/50</td>
<td>115/100</td>
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<td>16.5/17.0</td>
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<tr>
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<td>115</td>
<td>50/60*</td>
<td>15.5/16.5</td>
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<tr>
<td>K2A4C6NP36L</td>
<td>6000</td>
<td>125/50</td>
<td>230/200</td>
<td>60/50</td>
<td>8.2</td>
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</tbody>
</table>

Approximate Weight (lbs.)
NP33 Series: 90  NP36 Series: 125

Standard Features
- Built-in Condensate Evaporator
- CFC-Free or Low ODP Refrigerant
- EMI/RFI Suppressor
- Low Temperature Control Thermostat
- M/TAB Mounting System
- NEMA T2 Rating Maintained (UL50)
- Reversible Condenser Outlet Blower
- UL/CUL Listed/Recognized

* Switchable. Switch is internally-mounted for security.
* UL/CUL recognized models are available as listed at added cost.
**Controller Cooling Systems**

**Standard Twin Packaged Blowers**

**KP528A / KP350B**

**Features**
- Capacities: 130 to 800 CFM
- Heavy-gauge steel enclosures with EIA-notched flanges and baked powder finish
- Attractive 19-inch stainless steel grilles
- UL/CSA ball bearing motors
- Dual inlet quadruplex design for maximum airflow
- Inlet air cools motor for longer life
- Permanent filters
- Exhaust guards included
- Three foot (minimum) SJT 3-wire power cord
- Complete line of accessories

Standard Twin Packaged Blowers are the most popular Kooltronic Packaged Blower. These blowers achieve exceptional performance through use of the largest possible blower housings and wheels. Each contains a quadruplex centrifugal blower powered by a single precision ball-bearing motor.

These widely-used Standard Twin Packaged Blowers deliver air from more than 50% of their 17” width, while conventional blowers deliver air from only about 30%. Internal neoprene isolation mounts reduce transmission of vibration and AC hum to the enclosure. Long service life and trouble-free performance are assured through the use of precision ball-bearing motors in all models and by the dual inlet quadruplex design, which uses intake air to cool the motor.

Kooltronic designs and manufactures a variety of packaged blowers to meet unique specifications. Call CED to inquire about modification and custom-design capabilities.

**How to Order:**
Specify model number, adding discharge suffix A, B, C or D. Example: KP701A. For 230VAC operation, add a 2 after the K. Example: K2P701A.

**For assistance in model selection, call CED.**

---

**Technical Data & Dimensions (inches)**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>CFM @ 0° S.P.</th>
<th>Cutoff</th>
<th>RPM</th>
<th>Amps</th>
<th>Discharge Available</th>
<th>Maximum Panel Height</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
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<td>1.6</td>
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<td>2</td>
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<td>KP528</td>
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<td>4</td>
<td>4</td>
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<td>5</td>
<td>7</td>
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</tbody>
</table>

Questions? Answers at...
Western US: 866 CED-ELEV Eastern US: 866-253-2915 or 866-253-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

*115V, 60 Hz. operation
Controller Cooling Systems
Indoor/Outdoor

Kooltronic “Advantage” Series

Ready for indoor or outdoor installation right out of the box!

- Attractive contemporary style
- Approved for all NEMA 12 and NEMA 3R applications
- LED display monitors internal cabinet temperature

These innovative air conditioners are designed specifically for cooling electronic enclosures and can be used for both indoor and outdoor applications.

The Advantage Series exemplifies a stylish appearance with rounded edges; no visible hardware and a textured baked powder finish to blend easily with contemporary enclosure designs. Integral weather protection eliminates unsightly weather hoods, pressure switches regulate the unit’s hermetic system and a patented sealing system maintains both a NEMA 12 and a NEMA 3R interface with the enclosure.

Standard features also include heavy-duty galvanized steel construction, environmentally friendly refrigerants, built-in condensate evaporator, thermostatic low temperature control, EMI/RFI surge suppressor and LED temperature display.

Available in seven heights, all utilizing the exclusive Kooltronic M/TAB integral mounting system.

### Additional Options Available
- Cooling Effect Detector
- Metal Grille
- Stainless Steel Shells
- Short Cycle Protection
- Internal Corrosion Resistance

### RP 17 Series
- **Model Number**: KA4C2RP17R
- **BTU**: 2,000
- **Volt**: 115
- **Hz**: 60

### RP 28 Series
- **Model Number**: KA4C3RP28R
- **BTU**: 3,000
- **Volt**: 115
- **Hz**: 60

### RP33 Series
- **Model Number**: KA4C4RP33R
- **BTU**: 4,000
- **Volt**: 115
- **Hz**: 60

### RP36 Series
- **Model Number**: KA4C6RP36R
- **BTU**: 6,000
- **Volt**: 115
- **Hz**: 60

### RP47 Series
- **Model Number**: K2A3C8RP47R
- **BTU**: 8,000
- **Volt**: 115
- **Hz**: 60

### RP 52 Series
- **Model Number**: K2A3C18RP52R
- **BTU**: 18,000
- **Volt**: 230
- **Hz**: 60

### RP 55 Series
- **Model Number**: K2A3C22RP55R
- **BTU**: 22,000
- **Volt**: 230
- **Hz**: 60
GateKeeper MAX™ Infrared Curtain Unit

The only IR curtain with
Phase I/Phase II Fire Recall Service... and it comes with nudging built in!

Built-in nudging replaces separate nudging unit for easiest installation. Factory setting of 20 sec. can be reset from 1-60 sec. Nudging buzzer volume is also adjustable.

Plugs into 17-265VAC/VDC
GateKeeper MAX is the only infrared curtain that can be connected to any operating voltage from 17-265VAC/VDC with no additional wiring or modifying! Just plug it in and let it work.

Up to 154 infrared detection beams.

Integrated diagnostic circuitry
An on-board microprocessor adjusts automatically to optical conditions within protected area. As conditions change (from dust, dirt, etc.), microprocessor resets every beam for best performance under prevailing conditions.

LED current-control system
An LED drive circuit constrains emitting current to lowest possible effective level. Result: reduced stress on LEDs help extend their life to millions of hours. This feature is unique to the GateKeeper product line.

No incidents reported
With more than 150,000 units in service, not a single incident report has been recorded. This is most meaningful to anyone who has been named in a liability suit due to an unreliable door protection system.

CSA approved, Fire-Code conformant
GateKeeper MAX meets all ANSI requirements and other U.S. and Canadian performance standards. Also conforms to Phase I and Phase II Fire Codes.

Extra-wide 16-ft. operating range
Weary of measuring door openings and matching them to the right door unit? GateKeeper MAX works with all of them. One model, one part number, one great protection device. Choose 7ft. or 10ft. model according to door height.

Moving cable tested to 20,000,000 cycles

Questions? Answers at...
Western US: 866 CED-ELEV Eastern US: 866-253-2915 or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970
GateKeeper® Infrared Curtain Unit

GateKeeper is the industry choice for uncompromising door protection

Plugs into 17-240V/120V
GateKeeper and GateKeeper MAX are the only infrared curtains that can be connected to any operating voltage from 17-240V/120V with no additional wiring or modifying! Just plug it in and let it work.

Up to 154 infrared detection beams

Integrated diagnostic circuitry

LED current control system

No incidents reported

CSA approved
GateKeeper meets all ANSI requirements and other U.S. and Canadian performance standards.

Extra-wide 16-ft. operating range

Moving cable tested to 20,000,000 cycles

GateKeeper® 3D

Infrared Curtain System that easily retrofits to any existing mechanical or electrical system

Easy to install
Retrofits to ANY and ALL door protection systems without removing the existing system—even electromechanical safety-edge applications. Other 3D products require removal of the existing door safety edge in order to obtain 3D functionality.

Intelligent Design
Distinguishes between static and moving objects in the 3D zone. This allows the system to override the static object’s presence, enabling the door to close, thus avoiding delays.

Adjustable 3D Zone
Adjusts to aim in two dimensions. For center-opening applications, the ideal detection zone is directly in front of the door. However, for side-opening doors, the 3D sensor can also be adjusted left and right to aim the detection zone for the particular application.

GateKeeper Technical Data

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>17-240V/120V; use Greenfield fittings for voltages &gt;42V</td>
</tr>
<tr>
<td>Typical response time</td>
<td>90 ms</td>
</tr>
<tr>
<td>Range</td>
<td>Up to 16 ft. (5m)</td>
</tr>
<tr>
<td>Current</td>
<td>5VA at 115/240V</td>
</tr>
<tr>
<td>Relay output (3)</td>
<td>115mA at 24VDC</td>
</tr>
<tr>
<td></td>
<td>AC max: 265VAC at 8.0A</td>
</tr>
<tr>
<td></td>
<td>DC max: 125VDC at 0.5A or 30VDC at 8A</td>
</tr>
<tr>
<td></td>
<td>DC min: 5VDC at 10.0mA (NOTE: If switching high voltage, use slave relay (not included))</td>
</tr>
<tr>
<td>Protection height</td>
<td>71”</td>
</tr>
<tr>
<td>Door height</td>
<td>7 to 10 ft</td>
</tr>
<tr>
<td>No. of light beams</td>
<td>Up to 154 criss-cross beams</td>
</tr>
<tr>
<td>Light suppression</td>
<td>&gt;100,000 lux</td>
</tr>
<tr>
<td>Connection plugs</td>
<td>WAGO 6 x 5.0B</td>
</tr>
<tr>
<td>Cable length</td>
<td>16 ft. (5m)</td>
</tr>
<tr>
<td>Cable extension (avail)</td>
<td>10 ft. (3m)</td>
</tr>
<tr>
<td>Cable lifetime</td>
<td>20 million door movements (if installed correctly)</td>
</tr>
<tr>
<td>Enclosure rating, sensors</td>
<td>IP65</td>
</tr>
<tr>
<td>Enclosure rating, control unit</td>
<td>IP54</td>
</tr>
<tr>
<td>Vibration/shock</td>
<td>IEC 68-2-6, -29</td>
</tr>
<tr>
<td>Operating temp. range</td>
<td>-5°C to +150°F (-20° to +65°C)</td>
</tr>
<tr>
<td>Storage temp. range</td>
<td>-20°C to +220°F (-30° to +85°C)</td>
</tr>
<tr>
<td>EMC</td>
<td>IEC/EN 50081/2, EN 12015/6</td>
</tr>
<tr>
<td>CSA</td>
<td>B44.1/A175.1996</td>
</tr>
<tr>
<td>Mounting kit</td>
<td>Complete</td>
</tr>
</tbody>
</table>

Questions? Answers at...
Western US: 866 CED-ELEV Eastern US: 866-253-2915 or 866-235-3538 • Fax 562-427-8429 or 866-256-2211 • Fax 860-290-8970