## Single-Stage Controls

### Series U, L S – Single Stage Infrared Tube Heaters & High Intensity

<table>
<thead>
<tr>
<th>Part #</th>
<th>Features</th>
<th>Specification</th>
</tr>
</thead>
</table>
|          | **Part # - CE211**                                                       | ⚫ Compatible with heat pumps, gas or electric systems  
⚫ Programmable or non-programmable operation  
⚫ 7-day or 5+2 day programming, 2 or 4 events per day  
⚫ Touchscreen can be locked with varying levels of protection  
⚫ Adjustable cooling & heating limits  
⚫ Powered by battery or system voltage  
⚫ Optional sensor adds outdoor temp display or indoor temp averaging | ⚫ Input Voltage (Hardwired): 20-30 VAC 50/60 Hz  
⚫ Relay Rating: 24 VAC @ 1 Amp maximum per relay  
⚫ Battery Power: (2) AAA 1.5 V  
⚫ Operating Temperature: 32° F to 150° F  
⚫ Operating Relative Humidity: 0-95% (non-condensing)  
⚫ Storage Temperature: 32° F to 150° F  
⚫ Size: 5.0” W x 3.375” H x 1.0” D  
⚫ LCD Display Size: 3.75” W x 2.125” H  
⚫ Short-Cycle Delay: Off or 4 minutes  
⚫ Displayed Temperature Resolution: 1° F  
⚫ Setpoint Range:  
  ⮕ Heating 41° F - 120° F  
  ⮕ Cooling 43° F - 122° F  
⚫ Heating and Cooling Limits: Fully adjustable  
⚫ Onboard and Remote Sensors: NTC type 2  
⚫ Resistance 10KΩ @ 77° F  
⚫ Tolerance +/-3% @ 77° F |
|          | **Part # - CE014**                                                       | ⚫ Single-Stage Heat Only, 120/240 Volt  
⚫ UL Listed  
⚫ Contains No Mercury  
⚫ Clean, Attractive Design  
⚫ Easy to Install and Use  
⚫ 115.8mm (H) x 71.3mm (W) x 51.6mm (D)  
⚫ Approx. 35mm (D) from wall when mounted | ⚫ Moisture and Dust: meets IP20  
⚫ Operating Temp.: -20°C to 40°C (-4°F to 104°F)  
⚫ Storage Temp.: -20°C to +54°C (-4°F to 130°F)  
⚫ Temperature Control Range: 10°C to 32°C (50°F to 90°F). Accuracy ± 1°F over a range of 50°F to 90°F. |

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**SUPERIOR TECHNOLOGY**

**SUPERIOR PERFORMANCE**
| Part # - CE154 | ✓ Preprogrammed—Up to 4 Programs Per Day  
✓ Battery Powered (2AA included)  
✓ Energy Star Compliant  
✓ Separate Weekday and Weekend Programming  
✓ Large Liquid Crystal Display  
✓ Temporary and Constant Temperature Override  
✓ Temperature Hold  
✓ System Cycle Adjustment  
✓ 120V/240V  
✓ Circuit Protection Built-in  
✓ 167mm (W) x 118mm (H) x 62mm (D)  

Moisture and Dust: meets IP20  
Operating Temp.: -0°C to 35°C (+32°F to 95°F)  
Storage Temp.: -20°C to +54°C (-4°F to 130°F)  
Program Settings: 4 Present Programs Per Day Heating. All may be Easily Reprogrammed in 1° and 15 Minute Increments  
Temperature Control Range: 7°C to 32°C (45°F to 90°F) and 12/14 Hr. Time Capable. |
|---|---|
| Part # - CE054 | ✓ 120V  
✓ Corrosive Environment Thermostat  
✓ Stainless Steel Sensing Coil Mounted on Side of  
✓ Watertight, UL Recognized ABS Plastic Enclosure  
✓ Adjustable Dial  
✓ Designed to Withstand Moisture and Gases found in  
✓ Agricultural Buildings  
✓ Ideal for long life in Livestock Confinement Buildings,  
✓ Greenhouses, and Warehouses  

1 SPDT switch. Not Suitable for Load Transfer  
Temperature Control Range: 4°C to 40°C (40°F to 104°F) and 1.4°C (2.5°F) Differential |
| Part # - CE053 | ✓ Preprogrammed, Low Voltage Thermostat  
✓ with Separate Weekday and Weekend  
✓ Programming Capabilities  
✓ System or Battery Powered (2AA Batteries included)  
✓ Temporary Temperature Override  
✓ Manual Temperature Hold  
✓ Energy Star Compliant, Contractor Grade  
✓ On Screen Low Battery Indicator, Soft Touch  
✓ Buttons, 4 Periods Per Day, EL Backlight  
✓ Night Setback Heating  
✓ Circuit Protection Built-in  
✓ 125mm (W) x 80mm (H) x 33mm (D)  

Moisture and Dust: meets IP20  
Operating Temp.: -10°C to 50°C (+14°F to 122°F)  
Storage Temp.: -20°C to +54°C (-4°F to 130°F)  
Program Settings: 4 Present Programs Per Day Heating. All may be Easily Reprogrammed in 1° and 15 Minute Increments  
Temperature Control Range: 7°C to 32°C (45°F to 90°F) Accuracy ± 1°F over a range of 45°F to 90°F. |
<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Programmable, Low Voltage</td>
<td>✓</td>
</tr>
<tr>
<td>Digital Accuracy, Battery Powered</td>
<td>✓</td>
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<tr>
<td>Slim Design with Illuminated Display</td>
<td>✓</td>
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<tr>
<td>Soft Touch Buttons with Farenheit/Celsius</td>
<td>✓</td>
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<tr>
<td>Switchable Ability</td>
<td>✓</td>
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<tr>
<td>Easy Installation</td>
<td>✓</td>
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<tr>
<td>24V or Millivolt Capability</td>
<td>✓</td>
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- Moisture and Dust: meets IP20
- Operating Temp.: 0°C to 35°C (32°F to 95°F)
- Storage Temp.: -20°C to +54°C (-4°F to 130°F)
- Temperature Control Range: 7°C to 32°C (45°F to 90°F) Accuracy ± 1°F over a range of 50°F to 95°F.