Sapphire™ Room Controller
Customizable lighting, color tuning and scheduling

DESCRIPTION
Sapphire™ Room Controller provides the flexibility of a fully customizable user interface with the convenience of native controls from Leviton’s Commercial Systems products. Integrate room controls, including occupancy/vacancy sensing, partial-ON and partial-OFF from one elegant interface. Sapphire Room Control is Leviton’s premier touch screen offering occupancy/photocell sensing, full-range automatic dimming, color tuning and daylighting integration. The scheduler feature allows facility and building managers to schedule holidays and daily lighting schedules from the touch screen.

SAPPHIRE LCD APPLICATIONS
• Color tuning—0-10V, DMX
• Conference room control
• Building supervisor control panel
• Classroom control
• Executive office control
• Ballroom control
• Anywhere touch-interface is desired

FEATURES
• 7” capacitive touch screen
• Direct control of Leviton Hi-Fi over Ethernet
• Direct control of Leviton Switcher/Scaler over Ethernet
• User interface components
  - Tabs/pages
  - Buttons
  - Sliders
• Touch screen status updated from actual device status
• LumaCAN® connectivity
• Secure password protected administration
• Online/offline configuration and screen design through PC Tool
• Software & configuration updates through front panel USB memory stick
• Available faceplates: White, Light Almond, Black

SCHEDULER DETAILS
• 7 day scheduler
• (2) custom, user defined holiday exception calendars
• Astronomical time clock
• Special event calendar

ROOM CONTROLLER DETAILS
• (2) low voltage/analog inputs for connecting of occupancy sensors, photocells, etc.
• Receives input signals for automatic dimming and daylighting within the space
• Allows for closed loop daylight harvesting

BUTTON DETAILS
• Button operating modes
  - Toggle
  - Press/release
  - Preset group
• Configurable caption
• All network commands supported

SLIDER DETAILS
• Configurable caption
• Supports only set channel/group level commands
• Configurable numeric level display

NETWORK COMMANDS
• Administrative functions
  - Network setup
  - Log file import/export
  - Configuration update
  - Snapshot record
  - Snapshot edit
• Set channel and group level
• Fade stop
• Room combine/separate
• Fade rate or fade time
• Raise/lower
• Turn audio zone ON/OFF (Hi-Fi)
• Set audio zone level (Hi-Fi)
• Select audio zone source (Hi-Fi)
• Select video source (Switcher/Scaler)
• Projector ON/OFF (BC4)
PRODUCT BULLETIN

SAPPHIRE USER INTERFACE SCREENSHOTS

**Daily View**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>5AM</td>
<td>12PM</td>
</tr>
<tr>
<td>6AM</td>
<td>1PM</td>
</tr>
<tr>
<td>7AM</td>
<td>2PM</td>
</tr>
<tr>
<td>8AM</td>
<td>3PM</td>
</tr>
<tr>
<td>9AM</td>
<td>4PM</td>
</tr>
<tr>
<td>10AM</td>
<td>5PM</td>
</tr>
<tr>
<td>11AM</td>
<td>6PM</td>
</tr>
</tbody>
</table>

**Daily**

**Schedule Creator**

- Event Name: Lights Off
- Event Type: Weekly
- Offset: None
- Time: 17:00
- Repeat: Every Day
- Command

**Event**

**Holiday List**

- December 25
- January 1
- First Tuesday of April

**Holiday**
**Sapphire™ Room Controller**

**INSTALLATION DIAGRAM**

| A | Face plate with trim ring |
| B | Touch screen electronics |
| C | Normalizing installation & mounting |
| D | 4-gang box |

**DIMENSIONS**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCD Panel</td>
<td>7” (17.78cm) diagonal, 16.9 form factor; 800x480 WVGA; 130° x 110° viewing angle; LED backlight; 24 bit color</td>
</tr>
<tr>
<td>Power Input Voltage</td>
<td>+12-24VDC, Class 2 SELV; current draw: 325mA+connected device to AI, standby current: 200mA; power supply via terminals or LumaCAN network</td>
</tr>
<tr>
<td>Environmental</td>
<td>Operating Temperature Range: 14 to 122°F (5 to 50°C) Storage Temperature: -4 to 158°F (-20 to 70°C) Relative Humidity: 0 to 90° non-condensing</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Mounting/installation: 4-gang box with a 4-gang raised device cover preferred, 4-gang low voltage rating acceptable, IP30</td>
</tr>
<tr>
<td>Listings</td>
<td>CE, NOM, FCC</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS007-000</td>
<td>7” Touch Screen, capacitive interface, no faceplate included</td>
</tr>
<tr>
<td>TS007-C0E</td>
<td>7” Touch Screen Color Change Kit, Black faceplate</td>
</tr>
<tr>
<td>TS007-C0T</td>
<td>7” Touch Screen Color Change Kit, Light Almond faceplate</td>
</tr>
<tr>
<td>TS007-C0W</td>
<td>7” Touch Screen Color Change Kit, White faceplate</td>
</tr>
<tr>
<td>TS007-LCE</td>
<td>7” Touch Screen Locking Cover, Black</td>
</tr>
<tr>
<td>BBG04-000</td>
<td>4 gang box</td>
</tr>
<tr>
<td>WPG04-DR0</td>
<td>4 gang raised device ring for use with BBG04-000</td>
</tr>
<tr>
<td>PST24-I10</td>
<td>+24Vdc, 1A, 30W 100-277VAC Input DIN Rail Power Supply. UL, cUL &amp; CE listed, terminals on input and output</td>
</tr>
</tbody>
</table>

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Visit our Website at: www.leviton.com/sapphire

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