

# GLPP System



The GLPP SpaceBuilder system offers effective and powerful lighting control for small-sized spaces providing automation based on natural light and presence of people within the space. This system also supports expansion modules for more load types.

SpaceBuilder allows you to specify all the necessary features and operations for an autonomous lighting control system specifically designed for the needs of your space. Start by selecting the load types and accessories and finish by defining how each interface should function to control lighting levels, vacancy sensing, daylight harvesting, shades, and AV.

## System Components

### GLPP

Available in 1 to 3 zone versions to control both switching and 0-10V 4-wire dimming loads. All GLPP systems can be expanded to easily add plug load control.

### Keypads

Up to 3 keypads can be added to a GLPP space. Refer to page 4 for standard sequence of operations to specify the button operations and standard engravings.

### Occupancy Sensors

Up to 2 dual technology occupancy sensors can be added to each GLPP space for either occupancy or vacancy sensing. Each sensor offers coverage for spaces up to 4,000 square feet. Sensor coverage varies based on type, see detail at end of this worksheet. Sensor defaults to vacancy operation unless noted as occupancy operation in the space part number.

### Daylight Sensors

One open-loop or one closed-loop daylight sensor can be added to each GLPP space for daylight harvesting control.

## Options

### Loads

Any GLPP system can be expanded to include switched plug loads.

### Networking

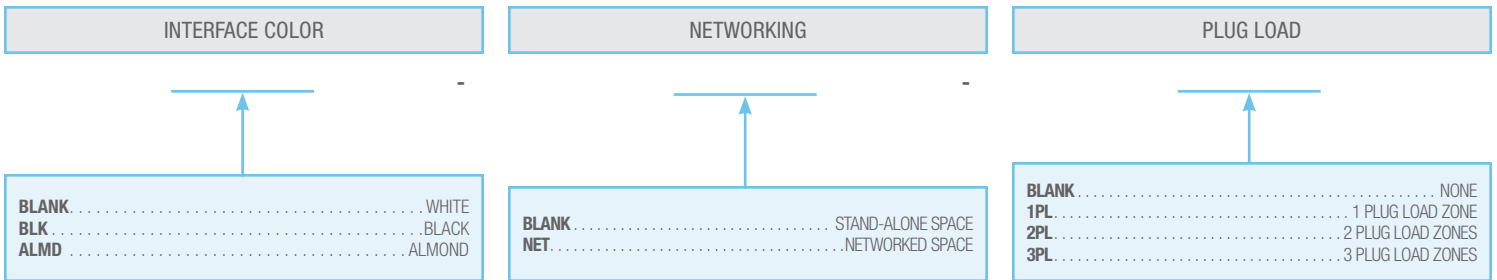
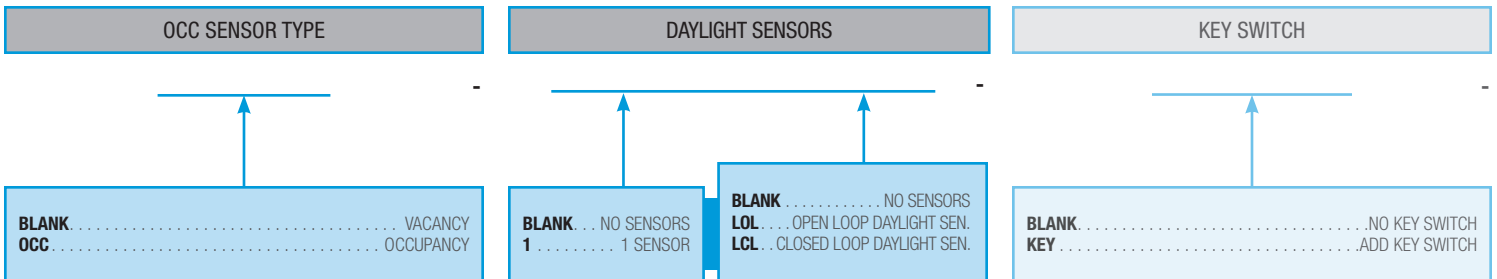
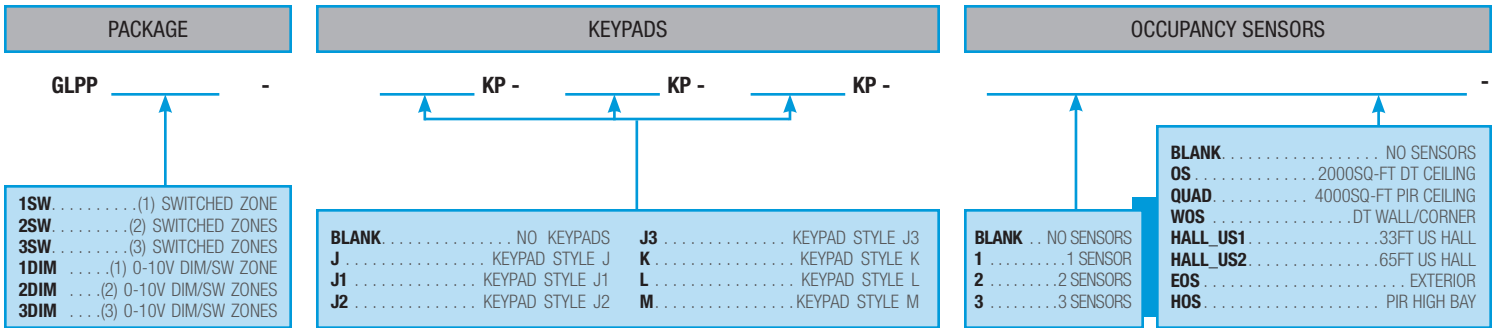
Any Crestron SpaceBuilder system can be networked to provide centralized monitoring, management and master control. This includes direct integration with BMS and reporting, alerts, global time clock management, maintenance, and automation via Crestron Fusion®.

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Date: \_\_\_\_\_ Project: \_\_\_\_\_  
Quantity: \_\_\_\_\_ Space Name: \_\_\_\_\_  
Space Number(s): \_\_\_\_\_

### GLPP SpaceBuilder Load Schedule

Zone #	Zone Description	Fixture Tag	Circuit #	Voltage	Load Type	Emergency / Life Safety	Dim (Y/N)	Fixture Watts	Quantity	Total Watts
Example	Pendants	A	HZ-1	277 V	0-10V 4-Wire Dimmed	Partial Zone	Yes	8	4	32
1										
2										
3										
				277V 120V	Switched 0-10V 4-Wire Dimmed	N/A Partial Zone Complete Zone	Yes No			



Example: GLPP2SW - JKP - JKP - 1OS - 1DS -NET

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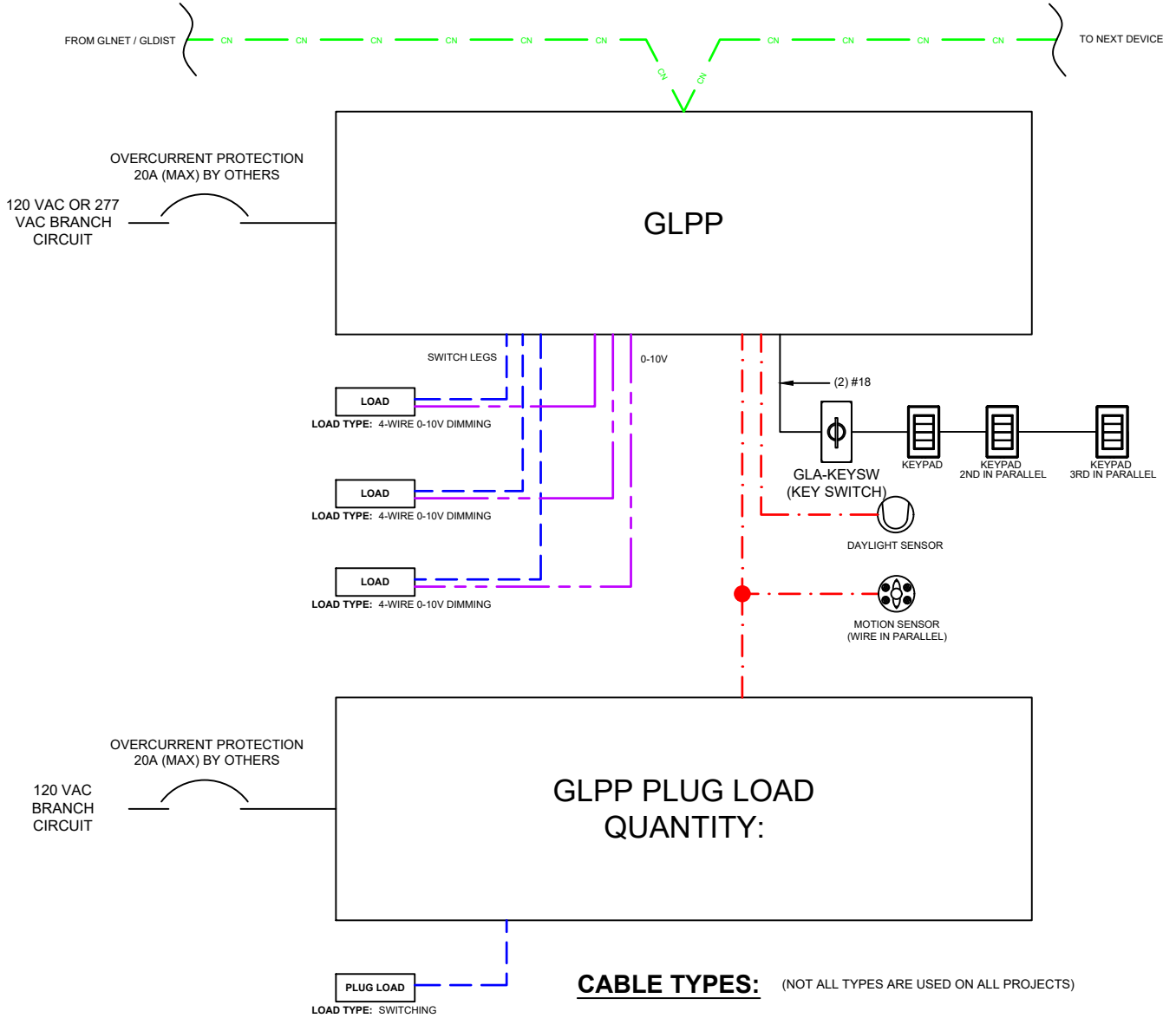
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Date: \_\_\_\_\_ Project: \_\_\_\_\_

Quantity: \_\_\_\_\_ Space Name: \_\_\_\_\_

Space Number(s): \_\_\_\_\_

GLPP SpaceBuilder Schematic Riser



GLPP \_\_\_\_\_ - \_\_\_\_\_ KP- \_\_\_\_\_ KP- \_\_\_\_\_ KP- \_\_\_\_\_

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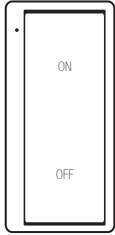
Date: \_\_\_\_\_ Project: \_\_\_\_\_

Quantity: \_\_\_\_\_ Space Name: \_\_\_\_\_

Space Number(s): \_\_\_\_\_

## GLPP SpaceBuilder Sequence of Operations

### KEYPAD TYPE J



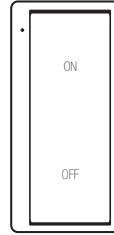
**Button 1 Functionality: ON**

- > Tap the top of the button for scene 1
- > Double tap the top of the button for full on
- > Hold the top of the button to dim lights up

**Button 2 Functionality: OFF**

- > Tap the bottom of the button for all off
- > Double tap the bottom of the button for fast off
- > Hold the bottom of the button to dim lights down

### KEYPAD TYPE J2 Note: Zone 2 Keypad



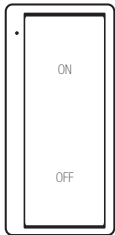
**Button 1 Functionality: ON**

- > Tap the top of the button for scene 1
- > Double tap the top of the button for full on
- > Hold the top of the button to dim lights up

**Button 2 Functionality: OFF**

- > Tap the bottom of the button for all off
- > Double tap the bottom of the button for fast off
- > Hold the bottom of the button to dim lights down

### KEYPAD TYPE J1 Note: Zone 1 Keypad



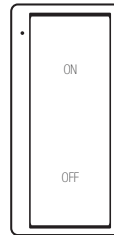
**Button 1 Functionality: ON**

- > Tap the top of the button for scene 1
- > Double tap the top of the button for full on
- > Hold the top of the button to dim lights up

**Button 2 Functionality: OFF**

- > Tap the bottom of the button for all off
- > Double tap the bottom of the button for fast off
- > Hold the bottom of the button to dim lights down

### KEYPAD TYPE J3 Note: Zone 3 Keypad



**Button 1 Functionality: ON**

- > Tap the top of the button for scene 1
- > Double tap the top of the button for full on
- > Hold the top of the button to dim lights up

**Button 2 Functionality: OFF**

- > Tap the bottom of the button for all off
- > Double tap the bottom of the button for fast off
- > Hold the bottom of the button to dim lights down

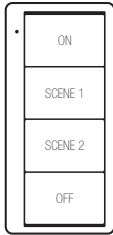
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Date: \_\_\_\_\_ Project: \_\_\_\_\_  
 Quantity: \_\_\_\_\_ Space Name: \_\_\_\_\_  
 Space Number(s): \_\_\_\_\_

## GLPP SpaceBuilder Sequence of Operations, Ccontinued

### KEYPAD TYPE K



**Button 1 Functionality: ON**

- Tap the first button for all on
- Double tap the first button for all on
- Hold the first button to dim lights up

**Button 2 Functionality: SCENE 1**

- Tap the second button for scene 1
- Double tap the second button for all on

**Button 3 Functionality: SCENE 2**

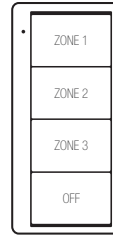
- Tap the third button for scene 2
- Double tap the third button for all on

**Button 4 Functionality: OFF**

- Tap the fourth button for all off
- Double tap the fourth button for fast off
- Hold the fourth button to dim lights down

### KEYPAD TYPE M

*Note: Use with 3 zone dimming*



**Button 1 Functionality: ZONE 1 TOGGLE**

- Tap once to turn lights on
- Tap again to turn lights off
- Press and hold to dim lights up
- Press and hold to dim lights down

**Button 2 Functionality: ZONE 2 TOGGLE**

- Tap once to turn lights on
- Tap again to turn lights off
- Press and hold to dim lights up
- Press and hold to dim lights down

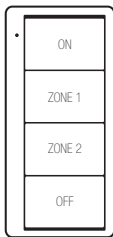
**Button 3 Functionality: ZONE 3 TOGGLE**

- Tap once to turn lights on
- Tap again to turn lights off
- Press and hold to dim lights up
- Press and hold to dim lights down

**Button 4 Functionality: OFF**

- Tap the fourth button for all off
- Double tap the fourth button for fast off
- Hold the fourth button to dim lights down

### KEYPAD TYPE L *Note: Use with 2 zone dimming*



**Button 1 Functionality: ON**

- Tap the first button for all on
- Double tap the first button for all on
- Hold the first button to dim lights up

**Button 2 Functionality: ZONE 1 TOGGLE**

- Tap once to turn lights on
- Tap again to turn lights off
- Press and hold to dim lights up
- Press and hold to dim lights down

**Button 3 Functionality: ZONE 2 TOGGLE**

- Tap once to turn lights on
- Tap again to turn lights off
- Press and hold to dim lights up
- Press and hold to dim lights down

**Button 4 Functionality: OFF**

- Tap the fourth button for all off
- Double tap the fourth button for fast off
- Hold the fourth button to dim lights down

### Note

By selecting keypad types, the SpaceBuilder system will be programmed, packaged, and shipped from the factory as an operable turnkey lighting control solution. Additional on-site support may be required for scene or sensor calibration.

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## GLPP Specifications

### LOAD RATINGS

**Dim/Switched Channels:**

1, 2, or 3 switched or dimmed (0-10V) loads

**Per Unit:**

16 Amps @ 100-277VAC, 50/60Hz  
(20 Amps, de-rated to 80%)

**Dim Load Types (for dimming models):**

0-10V LED drivers; 0-10 Volt fluorescent ballast (4- wire);  
60 mA max current sink

**Switch Load Types:**

Fluorescent Ballast, Incandescent, Magnetic Low-Voltage,  
Electronic Low-Voltage, Neon/Cold Cathode, High-Intensity  
Discharge

**Relay Lifetime:**

1,000,000 cycles

**Enclosure**

20-gauge galvanized steel enclosure; designed for mounting to  
two (2) adjacent standard 4" square electrical junction boxes;  
3-channel versions require a box depth of 2.125 in (54 mm)

**Environmental**

**Temperature:**

32° to 104°F (0° to 40°C)

**Humidity:**

10% to 90% RH (non-condensing)

### DIMENSIONS

**Height**

4.25 in (108 mm)

**Width:**

8.63 in (219 mm); 9.88 in (251 mm) with antenna  
at 90° angle (wireless model only)

**Depth:**

2 in (51 mm)

### STANDARDS & CERTIFICATIONS

UL916

UL2043

FCC

Relays listed under UL508 Section 41 (Endurance Test)  
and Section 61C (Electronic Ballasts)

CEC Title 24 2013 Compliant



- › Works in 120-277VAC systems
- › Ideal for new construction or retrofits
- › Wired or wireless link to central Crestron<sup>®</sup> system
- › 1, 2, and 3-channel models available
- › Switched and 0-10V dimming models available
- › Integrates with occupancy sensor and photo sensor
- › Supports up to three remote keypads
- › Easy keypad wiring using existing switch-loop wiring
- › Optional handheld remote for daily use (GLPPA-REMOTE-USER)
- › Real-time energy monitoring on select models
- › Adaptive zero-cross switching for extended life

### Products in this system can include:

- GLS-ODT-C-NS: Dual Technology Ceiling Mount Occupancy Sensor
- GLG-LOL: Open Loop Daylight Sensor
- GLA-IR-QUATTRO-HD-COM1-24: 4000 sq-ft interior ceiling motion sensor
- GLA-DT-CM-COM1-24: Dual technology corner mount motion sensor
- GLA-US-ONEWAY-COM1-24: Ultrasonic 35ft corridor motion sensor
- GLA-US-HALLWAY-COM1-24: Ultrasonic 65ft corridor motion sensor
- GLA-IS-360: High bay motion sensor
- GLA-HBS-300: Exterior motion sensor
- GLA-LCL: Closed Loop Motion sensor
- GLPP-SWCN: 1-zone switching room controller
- GLPP-DIMFLVCN-PM: 1-zone 0-10v dimming room controller
- GLA-KEYSW-MAINTAIN: Keyed switch
- GLPP-KP: GLPP Keypad

For technical specifications on all other products in this system, please visit [www.crestronlighting.com](http://www.crestronlighting.com)

For more information or to access digital specification forms for all Crestron SpaceBuilder systems, visit [www.crestronspacebuilder.com](http://www.crestronspacebuilder.com) or call 855-644-7643

### Notes:

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