

# GLDMX System



The GLDMX SpaceBuilder system is ideal for controlling architectural DMX lighting typically needed in stadiums, exteriors, banquet halls, restaurants and other entertainment venues. GLDMX systems offer several options for user interface and control from keypads, to touch screens, to theatrical light boards. It goes beyond simple DMX preset recalls, allowing for full DMX show creation and playback.

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 and AV.

## System Components

### GLDMX

The GLDMX system includes two or four DMX512 universe for control of architectural lighting shows. DMX is an open standard for digital communication networks that are commonly used to control stage lighting and effects without the inherent limitations of proprietary protocols. DMX has also expanded to uses in non-theatrical interior and architectural lighting.

### Keypads

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

## Options

### Touch Screens

The GLDMX systems comes with a choice of 5" portrait, 7", or 10" touch screen for master control by the end user.

### AV Integration

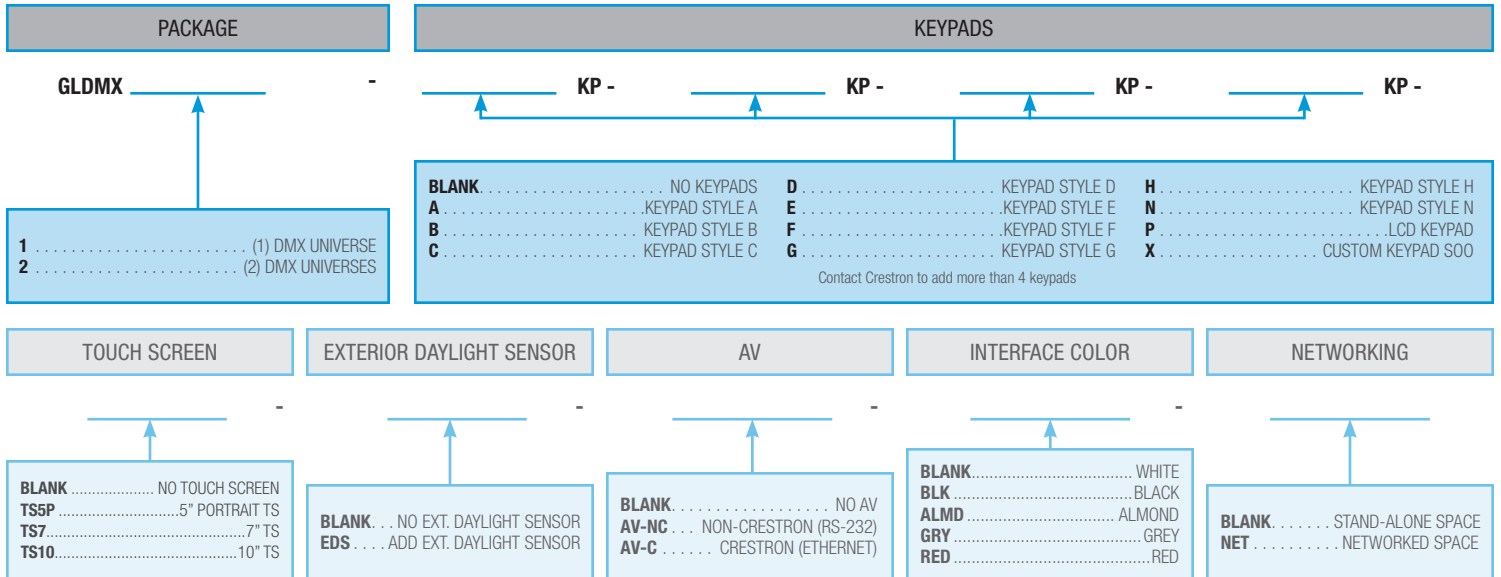
The GLDMX system can easily integrate with AV systems by adding a control port module. If this options is selected, Crestron will also supply prepackaged code for the AV contractor to connect the systems.

### 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, maintenance, and automation via Crestron Fusion<sup>®</sup>.

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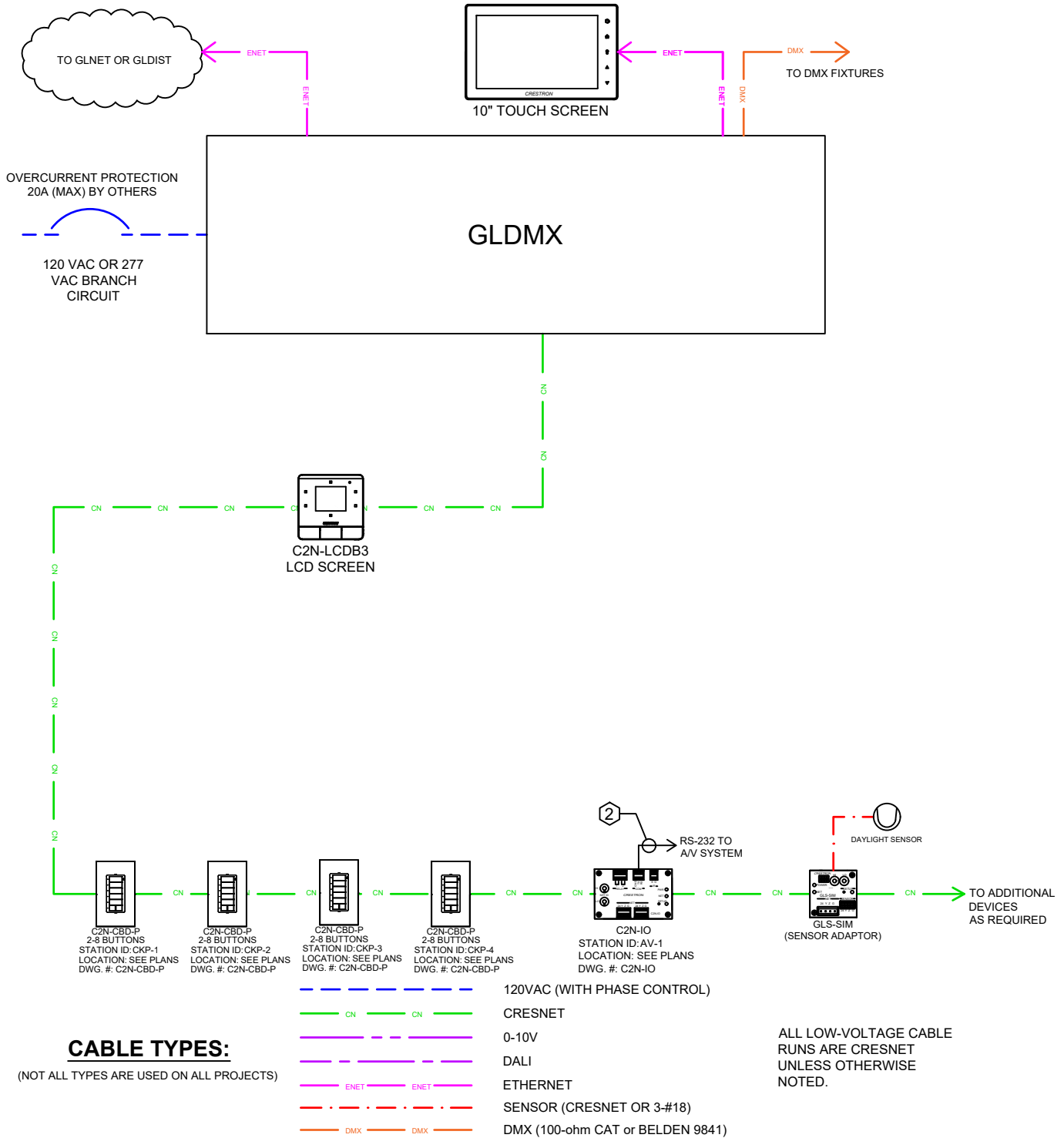


Example: GLDMX2 - AKP - AKP - TS5P - NET

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GLDMX SpaceBuilder Schematic Riser



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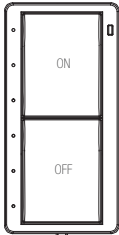
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## GLDMX SpaceBuilder Sequence of Operations

### KEYPAD TYPE A

**Typical Applications**

Office, Restroom, Storage/Utility Room, Corridor, Basic Classroom



**Button 1 Functionality: ON**

- Turn all lights on and enable daylight harvesting
- If daylight sensor is not present, lights will turn on to 100%

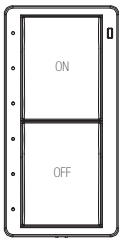
**Button 2 Functionality: OFF**

- Turn all lights off to 0% and disable daylight harvesting

### KEYPAD TYPE B

**Typical Applications**

Office, Conference Room, Classroom, Library



**Button 1 Functionality: ON**

- Turn all lights on and enable daylight harvesting
- If daylight sensor is not present, lights will turn on to 100%
- Press and hold will raise all dimmable lighting

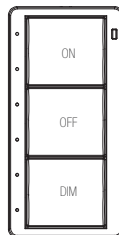
**Button 2 Functionality: OFF**

- Turn all lights off to 0% and disable daylight harvesting
- Press and hold will lower all dimmable lighting

### KEYPAD TYPE C

**Typical Applications**

Office, Conference Room, Classroom, Library



**Button 1 Functionality: ON**

- Turn all lights on and enable daylight harvesting
- If daylight sensor is not present, lights will turn on to 100%

**Button 2 Functionality: OFF**

- Turn all lights off to 0% and disable daylight harvesting

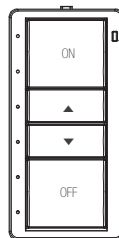
**Button 3 Functionality: DIM**

- Toggle to dim load up and down

### KEYPAD TYPE D

**Typical Applications**

Office, Conference Room, Classroom, Library



**Button 1 Functionality: ON**

- Turn all lights on and enable daylight harvesting
- If daylight sensor is not present, lights will turn on to 100%

**Button 2 Functionality: ▲**

- Dim lights up

**Button 3 Functionality: ▼**

- Dim lights down

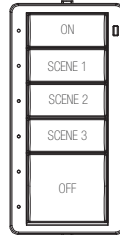
**Button 4 Functionality: OFF**

- Turn all lights off to 0% and disable daylight harvesting

### KEYPAD TYPE E

**Typical Applications**

Office, Conference Room, Cafeteria, Library, Multipurpose Room, Lobby, Ballroom



**Button 1 Functionality: ON**

- Turn all lights on and enable daylight harvesting
- If daylight sensor is not present, lights will turn on to 100%

**Button 2 Functionality: SCENE 1**

- Recalls scene 1 settings with feedback

**Button 3 Functionality: SCENE 2**

- Recalls scene 2 settings with feedback

**Button 4 Functionality: SCENE 3**

- Recalls scene 3 settings with feedback

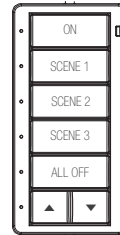
**Button 5 Functionality: OFF**

- Turn all lights off to 0% and disable daylight harvesting

### KEYPAD TYPE F

**Typical Applications**

Office, Conference Room, Classroom, Library



**Button 1 Functionality: ALL ON**

- Turn all lights on and enable daylight harvesting
- If daylight sensor is not present, lights will turn on to 100%

**Button 2 Functionality: SCENE 1**

- Recalls scene 1 settings with feedback

**Button 3 Functionality: SCENE 2**

- Recalls scene 2 settings with feedback

**Button 4 Functionality: SCENE 3**

- Recalls scene 3 settings with feedback

**Button 5 Functionality: ALL OFF**

- Turn all lights off to 0% and disable daylight harvesting

**Button 6 Functionality: ▲**

- Dim lights up

**Button 7 Functionality: ▼**

- Dim lights down

Continued on page 5

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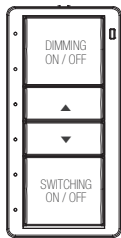
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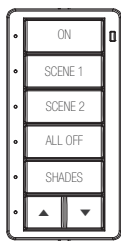
## GLDMX SpaceBuilder Sequence of Operations, Continued

### KEYPAD TYPE G Typical Applications: Office, Conference Room, Classroom, Library, Applications where dimming and switching both exist and need separate control



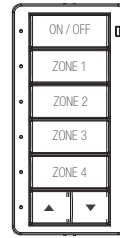
- Button 1 Functionality: DIMMING ON/OFF**
  - › Toggle dimmable zones on or off with feedback if any lights are on
  - › Toggle to turn daylight harvesting on or off
  - › If daylight sensor is not present, lights will turn on to 100%
- Button 2 Functionality: ▲**
  - › Dim lights up
- Button 3 Functionality: ▼**
  - › Dim lights down
- Button 4 Functionality: SWITCHING ON/OFF**
  - › Toggle dimmable zones on or off with feedback if any lights are on

### KEYPAD TYPE H Typical Applications: Office, Conference Room, Classroom, Library, Applications where shades control is needed



- Button 1 Functionality: ALL ON**
  - › Turn all lights on and enable daylight harvesting
  - › If daylight sensor is not present, lights will turn on to 100%
- Button 2 Functionality: SCENE 1**
  - › Recalls scene 1 settings with feedback
- Button 3 Functionality: SCENE 2**
  - › Recalls scene 2 settings with feedback
- Button 4 Functionality: ALL OFF**
  - › Turn all lights off to 0% and disable daylight harvesting
- Button 5 Functionality: SHADES**
  - › Activates up and down arrows to control shades.
  - After 5 seconds of inactivity, up and down arrows revert back to dimming lights up and down.
- Button 6 Functionality: ▲**
  - › Dim lights up (shades up when SHADES button is active)
- Button 7 Functionality: ▼**
  - › Dim lights down (shades down when SHADES button is active)

### KEYPAD TYPE N Typical Applications: Office, Conference Room, Classroom, Library, Applications where shades control is needed



- Button 1 Functionality: ALL ON / OFF**
  - › Toggle all lights on and off
- Button 2 Functionality: ZONE 1**
  - › Zone 1 on, press and hold for off
- Button 3 Functionality: ZONE 2**
  - › Zone 2 on, press and hold for off
- Button 4 Functionality: ZONE 3**
  - › Zone 3 on, press and hold for off
- Button 5 Functionality: ZONE 4**
  - › Zone 4 on, press and hold for off
- Button 6 Functionality: ▲**
  - › Dim last touched zone up
- Button 7 Functionality: ▼**
  - › Dim last touched zone down

### LCD KEYPAD TYPE P Typical Applications: Conference Room, Cafeteria, Library, Multipurpose Room, Lobby, Ballroom



Color LCD keypad gives control of lighting scenes 1, 2 and OFF.

### KEYPAD TYPE X Typical Applications: All applications needing a custom keypad button configuration and functionality

Custom Keypad S00

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## GLDMX Specifications

### ENCLOSURE

NEMA 1 metal enclosure suitable for installation in plenum air handling spaces.

### ENVIRONMENTAL

**Temperature:**

32° to 104°F (0° to 40°C)

**Humidity:**

10% to 90% RH (non-condensing)

**Heat Dissipation:**

44 BTU/hr

### VOLTAGE

120 VAC

### DIMENSIONS

**Height:**

23.5 in (597 mm)

**Width:**

14.38 in (366 mm)

**Depth:**

4.44 in (113 mm)

### STANDARDS & CERTIFICATIONS

CE

CEC Title 24 2013 Compliant



### Products in this system can include:

DIN-EN: Automation Enclosure

GLS-ODT-C-CN: Dual Technology Ceiling Mount Occupancy Sensor

GLS-LCCT: Exterior color and intensity sensor

C2N-IO: Serial RS-232 interface

TSW-560P: 5" Portrait Touch Screen

TSW-760: 7" Touch Screen

TSW-1060: 10" Touch Screen

C2N-CBD: Keypad

DIN-DMX-1UNIVERSE: PHAROS show controller, 1 universe

DIN-DMX-2UNIVERSE: PHAROS show controller, 2 universes

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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