SpaceBuilder™ Specification Worksheet

GLDIN System

CRESTRON

The GLDIN SpaceBuilder system is great for digital lighting projects using DALI or DMX protocols. The GLDIN SpaceBuilder system is also useful for Ethernet and Cresnet distribution.

Modules

DIN-AP3

Adds 3-series processor to allow for an autonomous lighting control system with astronomical time clock.

DIN-HUB

Supports 3 Cresnet subnets supporting 20 Cresnet devices each.

DIN-PWS60

Adds 60 Watts of Cresnet power.

DIN-DALI-2

2 Loops of DALI are supported per module selected.

DIN-DMX-1/2UNIVERSE

1 or 2 Universes of DMX are selectable. DMX includes full show control and RDM support.

DIN-CENCN-2-POE

Ethernet to Cresnet bridge. Supports 2 Cresnet segments with 20 Cresnet devices each.

4-WAY OPTO-SPLITTER

Adds an isolated optical splitter with 4 outputs.

CEN-SW-POE-5

Adds a 5-port Ethernet switch with 802.3af PoE on 4 ports.

Options

Assembly

GLDIN systems can be factory assembled in Crestron's UL508 panel shop, or they can be shipped as empty cabinets and loose modules.
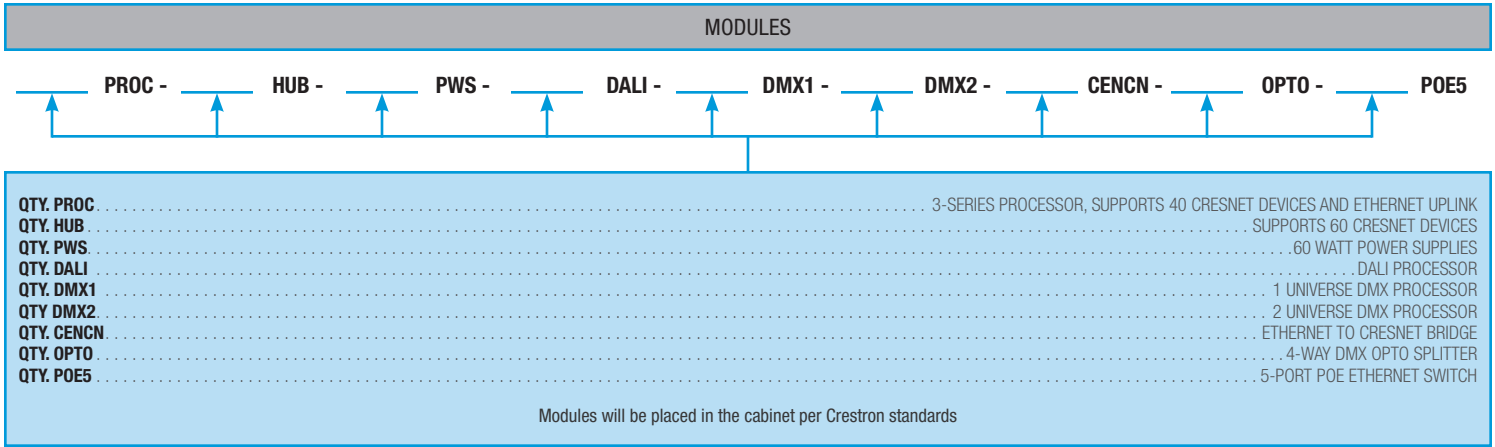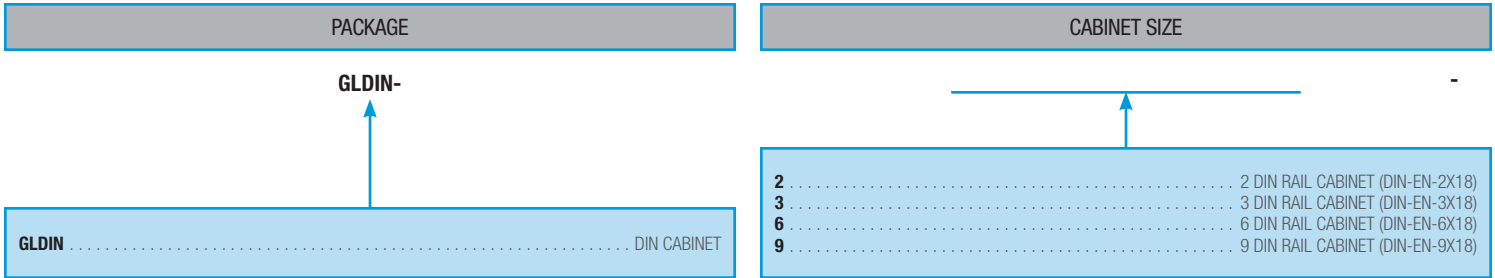
Voltage

GLDIN systems operate using 120 VAC.

Networking

GLDIN systems have the option to be Ethernet or Cresnet connected for easy scalability.

GLDIN-_____-_____PROC-_____HUB-_____PWS-_____DALI-_____DMX1-_____DMX2-_____CENCN-_____OPTO-_____POE5

Date:_____
Quantity:_____
Space Number(s): _____

Project:_____
Space Name:_____

PACKAGE

GLDIN-

GLDIN . . . . DIN CABINET

CABINET SIZE

‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾ -

2 . . . . 2 DIN RAIL CABINET (DIN-EN-2X18)
3 . . . . 3 DIN RAIL CABINET (DIN-EN-3X18)
6 . . . . 6 DIN RAIL CABINET (DIN-EN-6X18)
9 . . . . 9 DIN RAIL CABINET (DIN-EN-9X18)

MODULES

PROC - ___ **HUB -** ___ **PWS -** ___ **DALI -** ___ **DMX1 -** ___ **DMX2 -** ___ **CENCN -** ___ **OPTO -** ___ **POE5**

QTY. PROC . . . . 3-SERIES PROCESSOR, SUPPORTS 40 CRESNET DEVICES AND ETHERNET UPLINK
QTY. HUB . . . . SUPPORTS 60 CRESNET DEVICES
QTY. PWS . . . . 60 WATT POWER SUPPLIES
QTY. DALI . . . . DALI PROCESSOR
QTY. DMX1 . . . . 1 UNIVERSE DMX PROCESSOR
QTY DMX2 . . . . 2 UNIVERSE DMX PROCESSOR
QTY. CENCN . . . . ETHERNET TO CRESNET BRIDGE
QTY. OPTO . . . . 4-WAY DMX OPTO SPLITTER
QTY. POE5 . . . . 5-PORT POE ETHERNET SWITCH
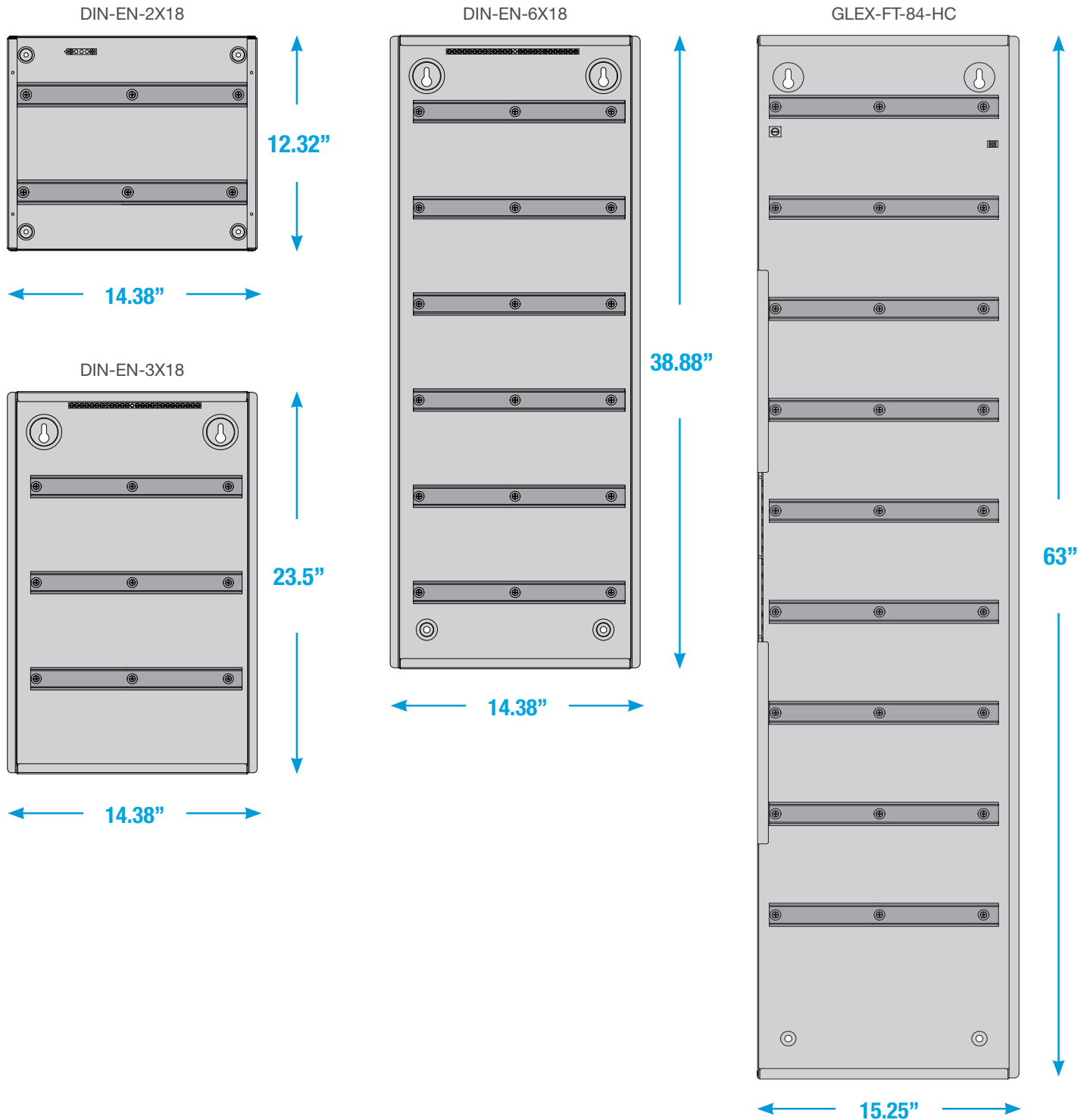
Modules will be placed in the cabinet per Crestron standards

Example: GLDIN-3-1PROC-1HUB-1POE5

GLDIN-_____-_____PROC-_____HUB-_____PWS-_____DALI-_____DMX1-_____DMX2-_____CENCN-_____OPTO-_____POE5

Date:_____   Project:_____

Quantity:_____   Space Name:_____

Space Number(s): _____

GLDIN SpaceBuilder Cabinets

DIN-EN-2X18

12.32"

14.38"

DIN-EN-3X18

23.5"

14.38"

DIN-EN-6X18

38.88"

14.38"

GLEX-FT-84-HC

63"

15.25"

GLDIN-_____-_____PROC-_____HUB-_____PWS-_____DALI-_____DMX1-_____DMX2-_____CENCN-_____OPTO-_____POE5

Date:_____   Project:_____

Quantity:_____   Space Name:_____

Space Number(s): _____

GLDIN SpaceBuilder Modules

DIN-AP3 (PROC)

The DIN-AP3 3-Series processor has an astronomical time clock, natively supports 50 BACnet/IP points and 40 Cresnet devices.

DIN-DMX-2UNIVERSE (DMX2)

The DIN-DMX-2UNIVERSE is a DMX lighting playback controller for 2 universes of DMX-512. It also supports the RDM protocol.

DIN-HUB (HUB)

The DIN-HUB has 3 unique Cresnet segments. Each segment supports 20 Cresnet devices.

DIN-CENCN-2-POE (EN)

The DIN-CENCN-2-POE is an Ethernet to Cresnet Bridge. It may be powered by 24 VDC or PoE. It has two isolated Cresnet subnets, each supporting 20 Cresnet devices.

DIN-PWS60 (PWS)

The DIN-PWS60 is a 60 Watt Cresnet power supply. It has an input of 100-277 VAC.

GLA-OPTO-4WAY (OPTO)

The GLA-OPTO-4WAY is a DMX & RDM opto-splitter. Terminations utilize convenient RJ45 568B connections.

DIN-DALI-2 (DALI)

The DIN-DALI-2 supports 2 loops of the DALI protocol. It has a single wire connection via Power-over-Ethernet (PoE).

CEN-SW-POE-5 (POE5)

The CEN-SW-POE-5 is a 5-port unmanaged 1000Base-T Gigabit Ethernet switch. 4-ports support PoE 802.3af.

DIN-DMX-1UNIVERSE (DMX1)

The DIN-DMX-1UNIVERSE is a DMX lighting playback controller for 1 universe of DMX-512. It also supports the RDM protocol.

GLDIN-_____-_____PROC-_____HUB-_____PWS-_____DALI-_____DMX1-_____DMX2-_____CENCN-_____OPTO-_____POE5

Date:_____   Project:_____

Quantity:_____   Space Name:_____

Space Number(s): _____

GLDIN Specifications

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

ENVIRONMENTAL

Temperature:
32° to 104°F (0° to 40°C)

Humidity:
10% to 90% RH (non-condensing)

DIMENSIONS

DIN-EN-2X18

Height:
12.32 in (323 mm)

Width:
14.13 in (359 mm)

Depth:
4.38 in (111 mm)

DIN-EN-6X18

Height:
38.88 in (989 mm)

Width:
14.38 in (366 mm)

Depth:
4.44 in (113 mm)

DIN-EN-2X18

Height:
23.5 in (597 mm)

Width:
14.38 in (366 mm)

Depth:
4.44 in (113 mm)

GLEX-FT-84-HC

Height:
63 in (1600 mm)

Width:
15.25 in (388 mm)

Depth:
4.5 in (115 mm)

STANDARDS & CERTIFICATIONS

Assembled cabinets are UL508 Listed

CE

CEC Title 24 2013 Compliant

CIRCUIT BREAKERS
This cabinet does not have over current protection breakers.

Products in this system can include:

DIN-EN-2X18: 2 din rail enclosure
DIN-EN-3X18: 3 din rail enclosure
DIN-EN-6X18: 6 din rail enclosure
GLEX-FT-84-HC: 9 din rail enclosure
DIN-AP3: 3 series processor
DIN-HUB: cresnet distribution hub
DIN-PWS60: 60 watt cresnet power supply

DIN-DALI-2: 2 loop dali lighting controller
DIN-DMX-1UNIVERSE: 1 universe dmx controller
DIN-DMX-2UNIVERSE: 2 universe dmx controller
DIN-CENCN-2-POE: ethernet to cresnet bridge
GLA-OPTO-4WAY: 4-way opto-isolated splitter
CEN-SW-POE-5: 5-port poe ethernet switch

For technical specifications on all other products in this system, please visit www.crestronlighting.com

For more information or to access digital specification forms for all Crestron SpaceBuilder systems, visit www.crestronspacebuilder.com or call 855-644-7643

Notes:

GLDIN-_____-_____PROC-_____HUB-_____PWS-_____DALI-_____DMX1-_____DMX2-_____CENCN-_____OPTO-_____POE5

Date:_____   Project:_____

Quantity:_____   Space Name:_____

Space Number(s): _____