Alphabet of Light Driver Enclosure

Specification Sheet

Project Name	
Description	
Type	
Notes	

DESCRIPTION

The **Alphabet of Light System Driver Enclosure** allows you to have remote drivers for one or several fixtures. This enclosure is wall mounted and pre-wired for quicker installation in an electrical room or in the same room as the fixtures. It is shipped "ready-to-connect" and the front panel enables simple maintenance and easy wiring with systems. This remote driver enclosure was specially created to hide the feed of one or several Alphabet of Light Systems.

This item must be ordered with an Alphabet of Light System, including fixtures, accessories and **REMOTE FEED CANOPY** available on the **Alphabet of Light System specification sheet**.

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DRIVER BOX

ORDER GUIDE

TYPE	**W** = wall mounting
CONFIGURATIONS	**185** = 1 driver 85W (small enclosure) **285** = 2 drivers 85W (small enclosure) **385** = 3 drivers 85W (medium enclosure) **485** = 4 drivers 85W (medium enclosure) **585** = 5 drivers 85W (large enclosure) **685** = 6 drivers 85W (large enclosure) **785** = 7 drivers 85W (extra enclosure) **885** = 8 drivers 85W (extra enclosure)
INPUT VOLTAGE	**08** = 120V / 277VAC UNV
CONTROL TYPE	**D1** = 1 circuit 0-10V dimming
COLOR	**U** = galvanized
SURGE (OPTIONAL)*	**-S** = optional surge protection *(leave it blank if no surge protection)*

Please contact factory for emergency or for other configurations.
*Optional

FEATURES

VOLTAGE OUTPUT	24VDC.
MATERIALS	Galvanized steel.
CONSTRUCTION	The sheet metal driver box is assembled and pre-wired in our factory. The top section is the client access panel, the bottom section is the maintenance access panel. Drivers are pre-installed and pre-wired inside the enclosure.
WEIGHT	Small enclosure : max 16.5lbs (7.5kg). Medium enclosure : max 23.8lbs (10.8kg). Large enclosure : max 31.2lbs (14.1kg). Extra enclosure : max 38.4lbs (17.4kg).
INSTALLATION	Wall mounting only.
MAXIMUM DISTANCE FROM THE FIXTURE	

	AWG WIRE GAGE		
	10	12	14
85 W	300’ 91m	232’ 71m	150’ 46m

SURGE PROTECTION	The surge protection is optional. Surge protection will protect from external electrical surges according to IEE C62.41.2 C high (20KV AND 20kA). It is installed between the line voltage terminals and the driver to provide system wide protection. Surge protector will be factory installed and wired.
CERTIFICATION	Suitable for dry locations.

SMALL DRIVER BOX
1-2 drivers

MEDIUM DRIVER BOX
3-4 drivers

LARGE DRIVER BOX
5-6 drivers

EXTRA DRIVER BOX
7-8 drivers

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DRIVER ENCLOSURE AOL SYSTEM GUIDELINES

In order to determine the correct driver enclosure configuration you must first determine how many circuits are required for your **Alphabet Of Light System**. A circuit load should not exceed 85W.

1 : Calculate the total wattage of the configuration.
2 : If the total wattage exceeds the maximum load per driver, split the configuration into less than 85W circuits.

Follow the fixtures wattage table below to calculate.

	LINEAR 60	LINEAR 120	LINEAR 180	CURVE 45°	CURVE 60°	CURVE 90°
WATTAGE	11 W	22 W	33 W	11 W	8 W	8 W

EXAMPLE

A typical **Alphabet of Light System** is represented with this example using 4 drivers.
DO NOT EXCEED 85W LOAD PER DRIVER. IT'S POSSIBLE TO CONNECT SEVERAL FIXTURES IN A ROW ON THE SAME DRIVER.

LARGE DRIVER ENCLOSURE
4 DRIVERS 85W
1 DIMMING CIRCUIT

DRIVER 1 : linear 120 (**22W**) + linear 120 (**22W**) + curve 90° (**8W**) + curve 90° (**8W**) + linear 120 (**22W**) = **82W** < 85W
DRIVER 2 : curve 45°(**11W**) + cure 45° (**11W**) + linear 180 (**33W**) + curve 60° (**8W**) + curve 60° (**8W**) + curve 60° (**8W**) = **79W** < 85W
DRIVER 3 : linear 120 (**22W**) + cure 45° (**11W**) +cure 45° (**11W**) + linear 180 (**33W**) = **77W** < 85W
DRIVER 4 : curve 60° (**8W**) + linear 180 (**33W**) + curve 90° (**8W**) + linear 120 (**22W**) = **71W** < 85W

EXAMPLE ORDER GUIDE

#CAT	Type	Configuration	Input Voltage	Control Type	Color	Surge*	Quantity
USC-DEO	**W**	*485*	**08**	**D1**	**U**		**1**

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SYSTEM LAYOUT

A layout drawing is required to order **Alphabet of Light System Driver Enclosure**.

Project Name	
Description	
Type	
Notes	

Please add the system drawing to the order. A dedicated space is available next page.

ORDER GUIDE

To compose an **Alphabet of Light System Driver Enclosure** you must fill the driver box code with the number of drivers and wanted features. It's also necessary to complete the "Enclosure composition" table with the system info fed by the enclosure.
Fill the surge protection code if needed.

USE ONE ORDER GUIDE PER DRIVER ENCLOSURE.
To help the factory better understand your order, you must attach the Alphabet of Light system layout fed by the enclosure.

ORDER GUIDE (REQUIRED)

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Top view Layout

Perspective Layout

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