PSDT-96W-24V-JB TRIAC Dimmable Driver with Junction Box

SPECIFICATION SHEET

JOB NAME: _____
LOCATION: _____
QUOTE/REF#: _____

PSDT SERIES dimming drivers features zero minimum load providing the most efficient and smoothest dimming possible using TRIAC, Forward-Phase, and ELV style dimmers. These drivers are already derated allowing them to be loaded to maximum capacity.

FEATURES

- ZERO minumum load
- Smooth dimming range down to 5%
- Short circuit and over current protection
- Air-cooled for longer lifetime operation
- Suitable for indoor operations
- Compatible with ELV, MLV and trailing edge TRIAC dimmers
- Optional wiring junction box enclosure available
- ETL listed US/CA

INPUT

INPUT VOLTAGE RANGE	100~130V AC
INPUT FREQUENCY RANGE	47~63 Hz
INPUT CURRENT @ MAX LOAD	0.61A
EFFICIENCY	>83%
POWER FACTOR (MAX)	>0.7

OUTPUT

OUTPUT VOLTAGE	24V DC
OUTPUT CURRENT @ MAX LOAD	4A
OUTPUT MAX WATTAGE	96W
MINIMUM LOAD	0%
MAXIMUM LOAD	100%

ADDITIONAL SPECIFICATIONS

ENVIRONMENT	Outdoor Rated IP67
DIMMING	ELV, MLV & TRIAC
SHORT CIRCUIT	Short Circuit auto recovery
WIRE TERMINAL CONNECTION	Fits up to 12AWG
HOUSING / COOLING	Free-air convection

SPECIFICATIONS

CLASS 2	YES
LOAD REGULATION	2%
LINE REGULATION	5%
INPUT FREQUENCY	47~63 Hz
POWER FACTOR	>0.92
EFFICIENCY	>83%
MTBF	50,000 hrs.
OPERATING ENVIRONMENT	-40ºF ~ 140ºF (-40ºC ~ 60ºC)
FUNCTION SURFACE TEMP	-40 to +80 (25 C AMB)
STORAGE TEMPERATURE	-40ºF ~ 176ºF (-40ºC ~ 80ºC)
HUMIDITY	20~90% RH, non condensing
LENGTH	15” (380MM)
WIDTH	3.0” (77MM)
HEIGHT	2.24” (57MM)
WEIGHT	3.7Lbs.

MISC

CERTIFICATIONS	ETL Listed Class
CLASS 2	Indoor/Outdoor NEMA-3
JUNCTION BOX	Optional (Sold Separately)
WARRANTY	3 Year Limited

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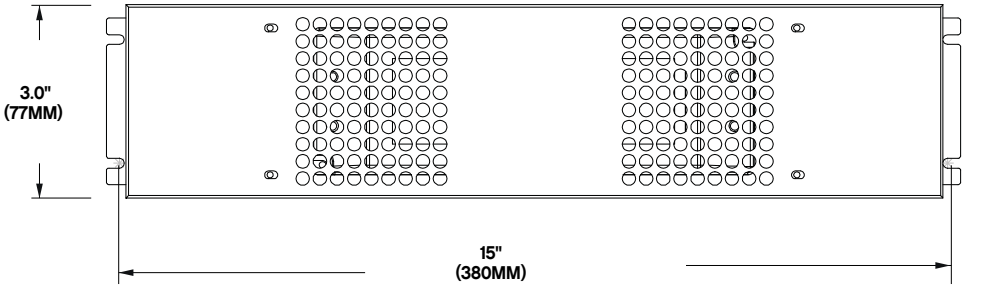
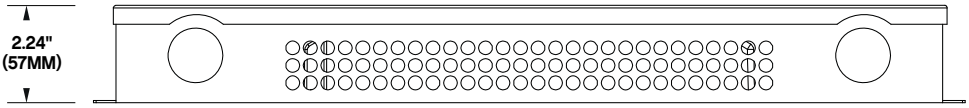
DIAGRAM AND DIMENSIONS





INSTALLATION GUIDE

THIS TRANSFORMER IS ONLY TO BE INSTALLED BY A QUALIFIED TECHNICIAN IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES

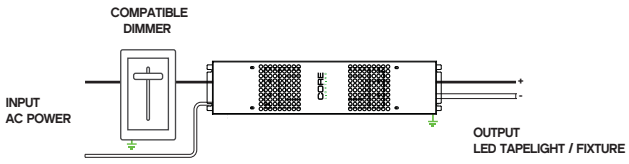
BEFORE YOU BEGIN
Make sure the transformer has the proper input voltage and wattage for the intended job. Check wiring and make sure they match the diagram on this guide.

MOUNTING
Select a suitable and proper location to mount the driver. Consider the weight of the driver to be supported.

INPUT CONNECTIONS / GROUNDING
1. Remove input wiring cover and install strain reliefs.
2. Make sure power is turned off. Route input wires and make connections based on wiring diagram following the INPUT side.
3.Make sure that driver is properly grounded in accordance with the N.E.C.

OUTPUT CONNECTIONS
1. Remove output wiring cover and install clamp connectors.
2. Make sure power is turned off. Route fixture wires and make connections based on wiring diagram following the OUTPUT side.

WIRING DIAGRAM



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