

## 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 minimum 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	0.17A
EFFICIENCY	>83%
POWER FACTOR (MAX)	>0.92

### OUTPUT

OUTPUT VOLTAGE	12V DC
OUTPUT CURRENT @ MAX LOAD	2.083A
OUTPUT WATTAGE	20W
MINIMUM LOAD	0%
MAXIMUM LOAD	100%

### ADDITIONAL SPECIFICATIONS

ENVIRONMENT	Indoor Rated IP40
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	-40°F ~ 140°F (-40°C ~ 60°C)
FUNCTION SURFACE TEMP	-40 to +80 (25 C AMB)
STORAGE TEMPERATURE	-40°F ~ 176°F (-40°C ~ 80°C)
HUMIDITY	20~90% RH, non condensing
LENGTH	6.1" (155MM)
WIDTH	2.12" (54MM)
HEIGHT	0.79" (20MM)
WEIGHT	3.8Oz

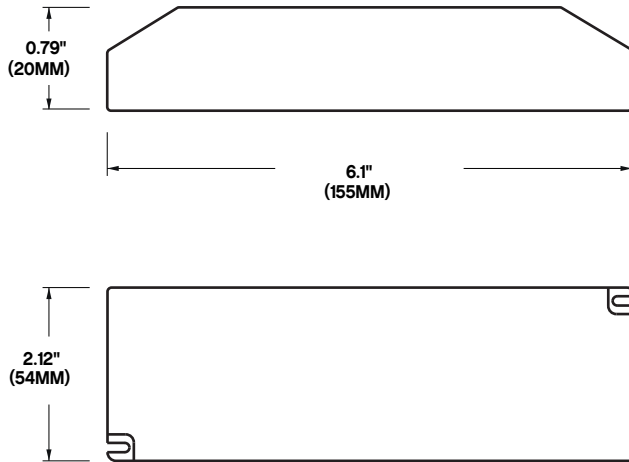
### MISC

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

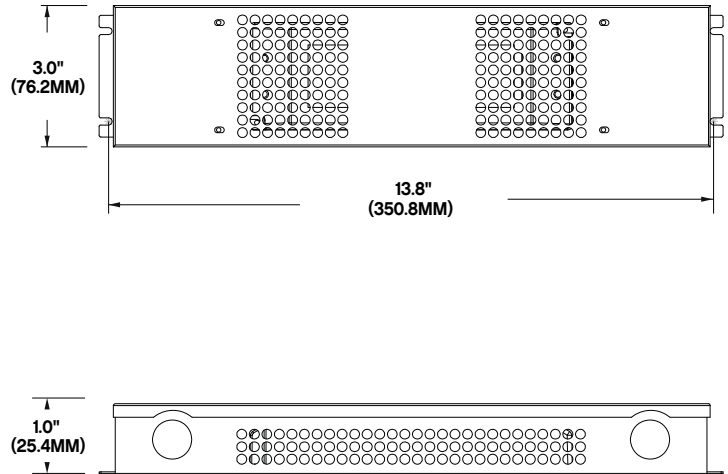


# PSDT-20W-12V TRIAC Dimmable Driver

## DIAGRAM AND DIMENSIONS



### OPTIONAL JUNCTION BOX (SOLD SEPARATELY) PSDT-JB1-WH



## 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

