

# VPL28-1700

## Electrical Specifications (@25C)

- Maximum Power: 50.0VA
- Input Voltage – **Series:** 230VAC @ 50/60Hz, **Parallel:** 115VAC @ 50/60Hz
- Output Voltage – **Series<sup>1</sup>:** 28V CT @ 1.786A, **Parallel<sup>2</sup>:** 14V @ 3.572A
- Voltage Regulation: 20% TYP @ full load to no load
- Hipot: 3500VAC between primary to secondary and windings to core.
- Recommended Fuse<sup>3</sup>:  
 Series: Littelfuse p/n 313 2HXP, 2.0A 250V, slow blow, ¼ x 1 ¼ or,  
 Cooper Bussmann p/n BK/MDL-2, 2.A 250V, ¼ x 1 ¼  
 Parallel: Littelfuse p/n 313 4HXP, 4.0A 250V, slow blow, ¼ x 1 ¼ or,  
 Cooper Bussmann p/n BK/MDL-4, 4A 250V, ¼ x 1 ¼

## Construction:

Dual winding construction with an insulated shroud, both made of a high temperature material that exceeds UL flammability requirements. Shrouds are provided over the connections of the leads to the windings on both primary and secondary coils. Devices are designed with a minimum of 6mm creepage distance between the primary and secondary and are manufactured with a Class B (130°C) insulation system.

## Agency Files:

UL File: E65390, UL 5085-1 and 3 (formerly UL1585), Class 2/3  
 cUL: File E65390, For Canadian Use (CSA 22.2, No.66.1-06 and No.66.3-06)  
 TUV: File R72182067, EN 61558-1:2005+A1, EN61558-2-6:2009. Double Insulated.  
 Non-inherently Short-Circuit-Proof.



Dimensions: Units: In inches

A	B	C	D	E	F
2.562	4.00	2.250	3.562	8.00	0.187

Weight: 2.3 lbs.

## Connections<sup>4</sup>:

Transformer is provided with 8" (203mm) long, 0.25" (6mm) stripped and tinned, stranded 18 AWG, UL 1015 lead wire.

**Input:** Series – BLK to BLU, Jumper WHT to BRN  
 Parallel – BLK to BLU, Jumper BLK to BRN and WHT to BLU

**Output:** Series – RED to GRY, Jumper YEL to VIO  
 Parallel – RED to GRY, Jumper RED to VIO and YEL to GRY

**RoHS Compliance:** As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

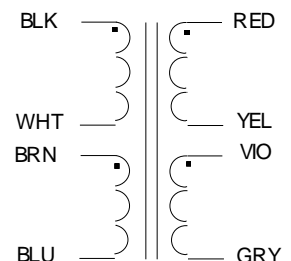
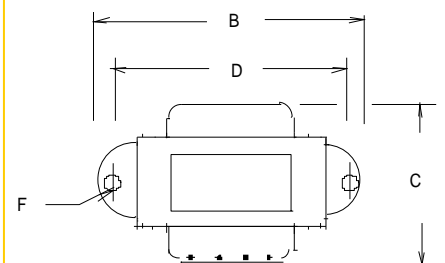
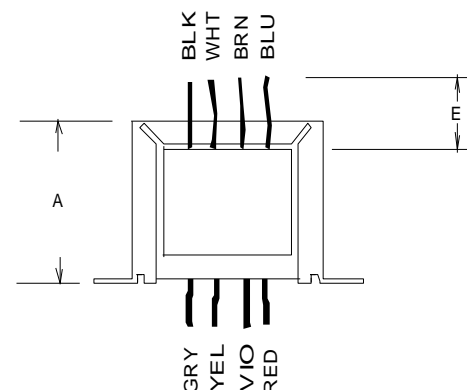
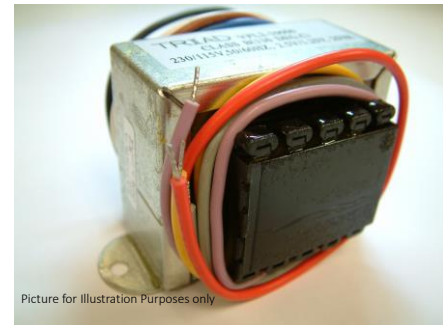
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<sup>1</sup> Non-Inherently limited. Class 3.

<sup>2</sup> Non-Inherently limited. Class 2 not wet, Class 3 wet.

<sup>3</sup> Fuse must be used on **secondary** as conditions of acceptability for UL Class2/3 operation.

<sup>4</sup> Primary and secondary windings are designed to be connected in series or parallel. Windings are not intended to be used independently.



**SCHEMATIC**

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