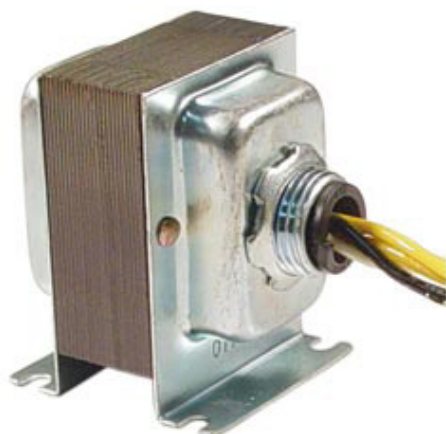




PW-TR Series

Transformers



Overview

Transformers ranging from 20 VA to 375 VA



Applications



- Power Supply for Controllers/ Peripherals
- Controller Isolation


Features & Benefits

- Single and Dual Hub
- Circuit Breaker Models
- Class 2 UL Listed
- Single and Multi Tap Models

Model Selection

Model #		VA Rating	Style	Over Current Protection	Class 2	Primary Voltage (Vac)	Sec. Voltage (Vac)	Foot Mount	Hubs	L	W	H	A	B	C	D	Weight
PW-TR20VA001	•	20VA	1	Inherent	•	120	24	•	1 Threaded	2.226"	1.877"	2.595"	1.612"	1.619"	1.013"	2.125"	1.20 lbs.
PW-TR20VA002	•	20VA	4	Inherent	•	208	24	•	2 Threaded	2.296"	1.902"	2.616"	1.604"	1.665"	1.020"	2.114"	1.40 lbs.
PW-TR20VA003	•	20VA	1	Inherent		24	24	•	1 Threaded	2.272"	1.900"	2.628"	1.635"	1.686"	1.023"	2.153"	1.40 lbs.
PW-TR20VA004	•	20VA	4	Inherent	•	277 / 240 / 208 / 120	24	•	2 Threaded	2.310"	1.890"	2.625"	1.540"	1.625"	1.000"	2.100"	1.40 lbs.
PW-TR20VA007	•	20VA	1	Inherent	•	277	24	•	1 Threaded	2.302"	1.895"	2.607"	1.608"	1.685"	1.019"	2.107"	1.20 lbs.
PW-TR40VA001	•	40VA	1	Inherent	•	120	24	•	1 Threaded	2.607"	2.169"	2.906"	2.020"	1.786"	1.204"	2.545"	2.00 lbs.
PW-TR40VA002	•	40VA	4	Inherent	•	120	24	•	2 Threaded	2.634"	2.177"	2.886"	2.007"	1.775"	1.206"	2.564"	2.00 lbs.
PW-TR40VA003	•	40VA	1	Inherent		24	24	•	1 Threaded	2.653"	2.171"	2.882"	2.033"	1.779"	1.185"	2.580"	2.00 lbs.
PW-TR40VA004	•	40VA	4	Inherent	•	277 / 240 / 208 / 120	24	•	2 Threaded	2.631"	2.177"	2.882"	1.998"	1.774"	1.189"	2.553"	2.20 lbs.
PW-TR40VA013	•	40VA	2	Circuit Brkr.		480 / 277 / 240 / 208	120	•	1 Threaded	3.267"	2.505"	3.000"	1.699"	1.986"	1.114"	2.325"	2.65 lbs.
PW-TR40VA015	•	40VA	1	Internal Thermal	•	240 / 208 / 120	24	•	1 Threaded	2.628"	2.175"	2.907"	2.040"	1.780"	1.188"	2.590"	2.20 lbs.
PW-TR40VA022	•	40VA	4	Inherent	•	120	24	•	2 Threaded	2.660"	2.172"	2.891"	1.980"	1.786"	1.201"	2.526"	2.00 lbs.
PW-TR40VA040 ^	•	40VA	9	Internal Thermal	•	240 / 208 / 120	24	•	1 Threaded	2.728"	2.171"	2.890"	1.995"	1.792"	1.215"	2.550"	2.20 lbs.
PW-TR50VA001	•	50VA	1	Fuse	•	120	24	•	1 Threaded	2.677"	2.178"	2.879"	2.109"	1.793"	1.253"	2.664"	2.00 lbs.
PW-TR50VA002	•	50VA	4	Fuse	•	120	24	•	2 Threaded	2.696"	2.181"	2.908"	2.053"	1.788"	1.278"	2.614"	2.00 lbs.
PW-TR50VA003	•	50VA	4	Fuse	•	240 / 208	24	•	2 Threaded	2.695"	2.181"	2.899"	2.082"	1.778"	1.294"	2.646"	2.00 lbs.
PW-TR50VA004	•	50VA	5	Circuit Brkr.	•	480 / 277 / 240 / 120	24	•	2 Threaded	3.475"	2.513"	3.014"	1.858"	1.970"	1.291"	2.490"	3.00 lbs.
PW-TR50VA005	•	50VA	2	Circuit Brkr.	•	120	24	•	1 Threaded	3.489"	2.515"	3.008"	1.870"	1.971"	1.294"	2.463"	2.40 lbs.
PW-TR50VA006	•	50VA	1	Fuse	•	277	24	•	1 Threaded	2.763"	2.182"	2.898"	2.135"	1.790"	1.322"	2.698"	2.00 lbs.
PW-TR50VA007	•	50VA	4	Fuse	•	277	24	•	2 Threaded	2.715"	2.173"	2.886"	2.148"	1.784"	1.276"	2.661"	2.00 lbs.
PW-TR50VA008	•	50VA	5	Circuit Brkr.		480 / 277 / 240 / 208	120	•	2 Threaded	3.440"	2.510"	3.012"	1.932"	1.945"	1.346"	2.523"	3.04 lbs.
PW-TR50VA009	•	50VA	5	Circuit Brkr.	•	240 / 208 / 120	24	•	2 Threaded	3.412"	2.504"	3.014"	1.864"	1.961"	1.313"	2.485"	2.80 lbs.
PW-TR50VA014	•	50VA	2	Circuit Brkr.	•	277	24	•	1 Threaded	3.479"	2.509"	3.009"	1.873"	1.965"	1.285"	2.480"	2.60 lbs.
PW-TR50VA015	•	50VA	2	Circuit Brkr.	•	480 / 277 / 240 / 208 / 120	24	•	1 Threaded	3.405"	2.517"	3.013"	1.875"	1.985"	1.316"	2.484"	2.80 lbs.
PW-TR50VA016	•	50VA	2	Circuit Brkr.	•	240 / 208 / 120	24	•	1 Threaded	3.345"	2.510"	3.028"	1.842"	1.978"	1.325"	2.454"	2.80 lbs.
PW-TR50VA017	•	50VA	2	Circuit Brkr.	•	480 / 277 / 208	24	•	1 Threaded	3.470"	2.520"	3.031"	1.880"	1.872"	1.292"	2.460"	2.40 lbs.
PW-TR50VA018	•	50VA	13			480 / 277 / 240 / 208	120		1, 90° Conduit Connector, 1 Mounting Plate Opening	Refer to data sheet on website.							3.00 lbs.
PW-TR50VA019 #		50VA	11	Inherent	•	277 / 120	24	•	2 Side Openings	2.470"	2.170"	2.896"	1.850"	1.740"	1.130"	2.512"	2.00 lbs.
PW-TR75VA001	•	75VA	2	Circuit Brkr.	•	120	24	•	1 Threaded	3.743"	2.506"	3.016"	2.256"	1.974"	1.711"	2.873"	3.40 lbs.
PW-TR75VA002	•	75VA	5	Circuit Brkr.	•	120	24	•	2 Threaded	3.890"	2.508"	3.013"	2.290"	1.952"	1.701"	2.882"	3.60 lbs.
PW-TR75VA003	•	75VA	2	Circuit Brkr.	•	277	24	•	1 Threaded	3.875"	2.507"	3.037"	2.269"	1.978"	1.684"	2.860"	3.60 lbs.
PW-TR75VA004	•	75VA	6	Circuit Brkr.	•	480 / 240 / 208 / 120	24	•	1 Threaded, 1 Side Opening	3.802"	2.515"	3.050"	2.244"	1.990"	1.665"	2.850"	3.60 lbs.
PW-TR75VA005	•	75VA	2	Circuit Brkr.	•	480 / 240 / 208 / 120	24	•	1 Threaded	3.880"	2.515"	3.030"	2.270"	1.975"	1.700"	2.854"	3.80 lbs.
PW-TR75VA007	•	75VA	5	Circuit Brkr.	•	480 / 240 / 208 / 120	24	•	2 Threaded	3.883"	2.504"	3.034"	2.287"	1.981"	1.708"	2.887"	3.97 lbs.
PW-TR100VA001	•	100VA	2	Circuit Brkr.	•	120	24	•	1 Threaded	4.085"	2.515"	3.030"	2.486"	1.975"	1.900"	3.082"	3.80 lbs.
PW-TR100VA002	•	100VA	5	Circuit Brkr.	•	120	24	•	2 Threaded	4.077"	2.504"	3.023"	2.470"	1.975"	1.888"	3.095"	4.00 lbs.
PW-TR100VA002-20	•	100VA	5	Circuit Brkr.	•	120	24	•	2 Threaded	3.973"	2.518"	3.033"	2.486"	1.865"	1.924"	3.060"	4.00 lbs.
PW-TR100VA004	•	100VA	5	Circuit Brkr.	•	480 / 277 / 240 / 120	24	•	2 Threaded	4.173"	2.523"	3.041"	2.647"	1.976"	2.086"	3.268"	4.40 lbs.
PW-TR100VA005	•	100VA	2	Circuit Brkr.	•	480 / 277 / 240 / 120	24	•	1 Threaded	4.258"	2.510"	3.030"	2.670"	1.968"	2.065"	3.260"	4.40 lbs.
PW-TR100VA008	•	100VA	5	Circuit Brkr.		480 / 277 / 240 / 208	120	•	2 Threaded	4.220"	2.525"	3.022"	2.690"	1.970"	2.082"	3.272"	4.40 lbs.
PW-TR100VA009	•	100VA	5	Circuit Brkr.	•	480 / 277 / 240 / 208 / 120	24	•	2 Threaded	4.270"	2.500"	3.060"	2.750"	1.975"	2.000"	2.252"	4.40 lbs.
PW-TR100VA015	•	100VA	2	Circuit Brkr.	•	480 / 277 / 240 / 208 / 120	24	•	1 Threaded	4.270"	2.500"	3.060"	2.699"	2.030"	2.065"	2.252"	4.74 lbs.
PW-TR150VA001	•	150VA	3	Circuit Brkr.		120	24	•	1 Threaded	3.650"	3.800"	3.183"	2.560"	3.150"	1.438"	3.514"	5.00 lbs.

Model #		VA Rating	Style	Over Current Protection	Class 2	Primary Voltage (Vac)	Sec. Voltage (Vac)	Foot Mount	Hubs	L	W	H	A	B	C	D	Weight
PW-TR150VA002	•	150VA	5	Circuit Brkr.		120	24	•	2 Threaded	3.620"	3.785"	3.160"	2.568"	3.147"	1.456"	3.511"	5.00 lbs.
PW-TR150VA008	•	150VA	12	Circuit Brkr.		480 / 277 / 240 / 208	120	•	2 Threaded	4.283"	3.786"	3.161"	3.211"	3.260"	2.116"	4.177"	7.20 lbs.
PW-TR175VA001	•	175VA	7			240 / 208	24	•	2 Bottom Openings	3.801"	3.790"	3.163"	3.264"	3.141"	2.151"	4.197"	7.00 lbs.
PW-TR175VA002	•	175VA	4			120	24	•	2 Threaded	3.800"	3.790"	3.189"	3.220"	3.150"	2.100"	4.180"	7.10 lbs.
PW-TR175VA003	•	175VA	1	Thermal Fuse on Primary		120	24	•	1 Threaded	4.030"	3.786"	3.161"	3.189"	3.155"	2.127"	4.153"	7.44 lbs.
PW-TR240VA001	•	240VA	8			120	24	•	1 Threaded, 1 Bottom Opening	3.957"	3.750"	4.530"	3.350"	3.180"	1.932"	4.025"	8.60 lbs.
PW-TR300VA002		300VA	10	Circuit Brkr.		480 / 240 / 208 / 120	24	•	2 End-Bell Openings	5.499"	3.750"	4.500"	3.859"	3.187"	2.526"	4.526"	11.60 lbs.
PW-TR375VA001	•	375VA	7			120	24	•	2 Bottom Openings	4.592"	3.747"	4.504"	3.933"	3.181"	2.516"	4.630"	11.20 lbs.

 = UL Listed : UL5085-2 or UL5085-3 ; USA & Canada

 = UL Component Recognized : UL5085-2 or UL5085-3 ; USA & Canada

= Refer to website for more wire length information.

^ = Dual Terminal Secondary

Transformers may be foot mount, hub mount, or both. Transformers with the hub mount option will have either a single threaded hub or dual threaded hubs. Several transformers are provided with a circuit breaker and many are Class 2. Pigtail wires are standard on most models and are typically 8.00" in length¹.

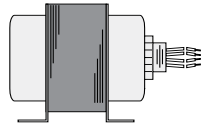
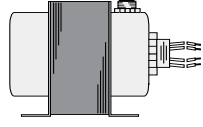
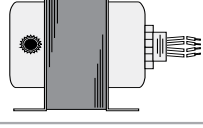
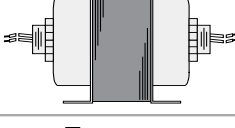

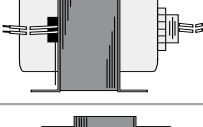
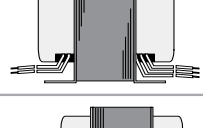
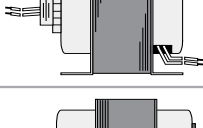
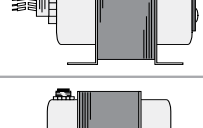
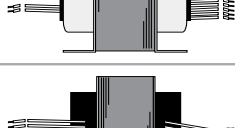
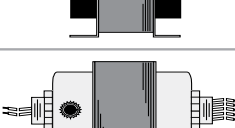
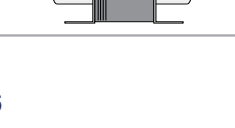
All transformers utilize split-bobbin construction, making them inherently isolated. Custom transformers are also available (contact factory).

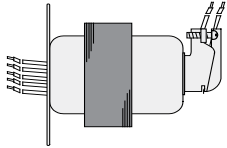
1. • TR40VA022 = 8" Primary, 30" Secondary, with .5" Strip
- TR50VA019 = 28" Typical with .5" Strip
- TR100VA002-20 = 8" Primary, 20" Secondary, with .5" Strip

Product Specifications

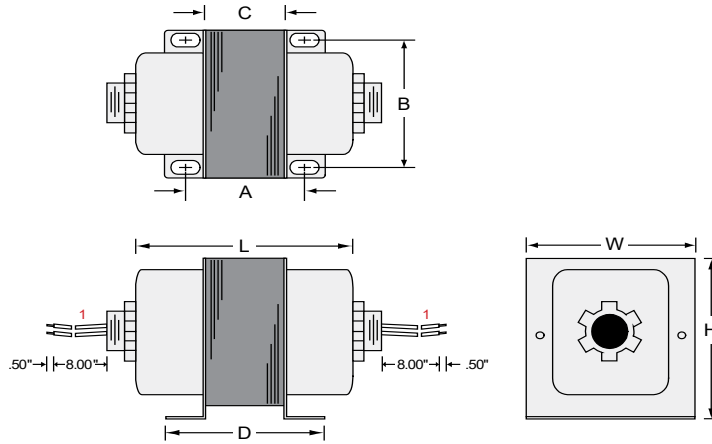
Frequency _____ 50/60 Hz
 Hub Style _____ .5" NPT Hub
 Wire Length _____ 8" Typical with .5" Strip 1
 Operating Temperature _____ -30 to 140° F
 Humidity Range _____ 5 to 95% (noncondensing)
 MTBF _____ 100,000 Hours @ 77° F
 Construction _____ Split-Bobbin
 Approvals _____ CE approved, RoHS. See chart for UL approvals
 Documentation _____ Instructions inside product box include wire colors/voltages

Form Factor

Reference	Form Factor	Description
Style 1		Single Hub & Foot Mount
Style 2		Single Hub & Foot Mount with Circuit Breaker
Style 3		Single Hub & Foot Mount with Circuit Breaker
Style 4		Dual Hub & Foot Mount
Style 5		Dual Hub & Foot Mount with Circuit Breaker
Style 6		Single Hub & Side Opening with Circuit Breaker
Style 7		Two Bottom Openings & Foot Mount
Style 8		Single Hub, Side Opening & Foot Mount
Style 9		Single Hub & Dual Terminal Secondary
Style 10		Two End-Bell Openings, & Foot Mount with Circuit Breaker
Style 11		Two Side Openings & Foot Mount
Style 12		Dual Hub & Foot Mount with Circuit Breaker

Reference	Form Factor	Description
Style 13		90° Conduit Connector & Mounting Plate Opening

Dimensions



- TR40VA022 = 8" Primary, 30" Secondary, with .5" Strip
 - TR50VA019 = 28" Typical with .5" Strip
 - TR100VA002-20 = 8" Primary, 20" Secondary, with .5" Strip

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