



# POWER SUPPLIES

## CONTROL TRANSFORMERS

### RIB TR SERIES



#### DESCRIPTION

The **RIB TR Series** offers a complete line of control transformers for use in building automation and temperature control systems. The Series includes transformer VA ratings from 20 VA through 375 VA and primary voltages of 120, 208, 240, 277, and 480 VAC. Isolation transformers for 24 VAC circuits are also included. All **RIB TR Series** transformers are UL listed and feature split-bobbin construction. Some also have a secondary circuit breaker.

#### FEATURES

- Complete line of control transformers from 20 VA to 375 VA
- Foot and hub mounting on most models
- All models UL listed; many are Class 2 rated
- Color-coded wire leads
- Ambient temp 32° to 104°F (0° to 40°C)
- One-year warranty



TR75VA002



TR40VA001



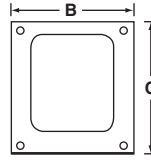
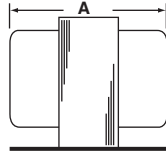
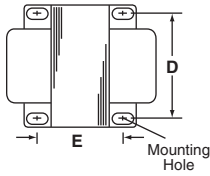
#### SPECIFICATIONS

MODEL	VA RATING	PRIMARY: SECONDARY VOLTAGE (VAC)	FREQ (Hz)	CIRCUIT BREAKER	MOUNTING H = Hub	AGENCY APPROVALS
TR20VA001	20	120:24	50/60	No	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR20VA002	20	208:24	50/60	No	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR20VA003	20	24:24 (isolation)	50/60	No	1H + Foot	UL506 listed US/Canada, E197147
TR20VA007	20	277:24	50/60	No	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR40VA001	40	120:24	50/60	No	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR40VA002	40	120:24	50/60	No	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR40VA003	40	24:24 (isolation)	50/60	No	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR40VA004	40	120/208/240/277:24	50/60	No	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR40VA015	40	120/208/240:24	50/60	No	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR40VA040	40	120/208/240:24 (terminals)	50/60	No	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA001	50	120:24	50/60	No	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA002	50	120:24	50/60	No	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA003	50	208/240:24	50/60	No	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA004	50	120/240/277/480:24	50/60	Yes	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA005	50	120:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA006	50	277:24	50/60	No	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA007	50	277:24	50/60	No	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA009	50	120/208/240	50/60	Yes	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA014	50	277:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA015	50	120/208/240/277/480:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA016	50	120/208/240:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR50VA017	50	208/277/480:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR75VA001	75	120:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR75VA002	75	120:24	50/60	Yes	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR75VA003	75	277:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR75VA004	75	120/208/240/480:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR75VA005	75	120/208/240/480:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR85VA002	85	120:24	50/60	No	1H + Foot	UL506 listed US/Canada, E197147
TR100VA001	96	120:24	50/60	Yes	1H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR100VA002	96	120:24	50/60	Yes	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR100VA004	96	120/240/277/480:24	50/60	Yes	2H + Foot	Class 2 UL1585 listed US/Canada, E197146
TR150VA001	150	120:24	50/60	Yes	1H + Foot	UL506 listed US/Canada, E197147
TR175VA001	175	208/240:24	50/60	No	Foot	UL506 listed US/Canada, E197147
TR175VA002	175	120:24	50/60	No	2H + Foot	UL506 listed US/Canada, E197147
TR240VA001	240	120:24	50/60	No	1H + Foot	UL506 listed US/Canada, E197147
TR300VA002	300	120/208/240/480:24	50/60	Yes	Foot	UL506 listed US/Canada, E197147
TR375VA001	375	120:24	50/60	No	Foot	UL506 listed US/Canada, E197147

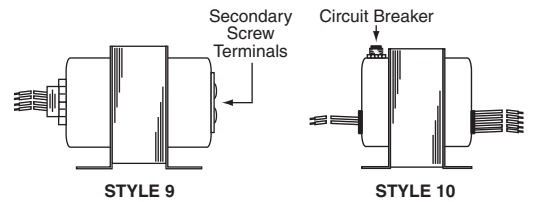
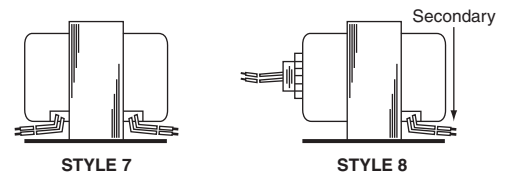
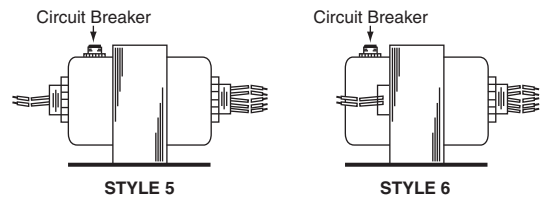
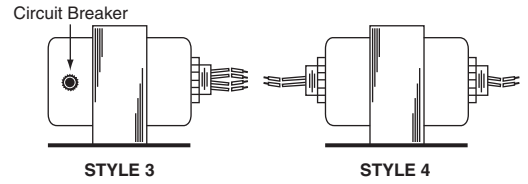
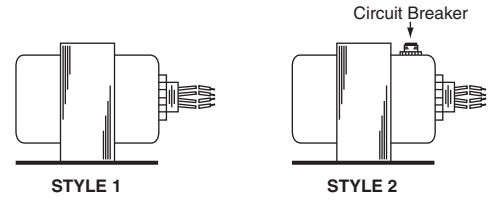


### DIMENSIONS

in  
(cm)



MODEL	DIMENSIONS					WIRES	WEIGHT lb (kg)	STYLE
	A	B	C	D	E			
TR20VA001	2.13 (5.4)	1.90 (4.8)	2.6 (6.6)	1.63 (4.1)	1.54 (3.9)	8.0 (20.3)	1.35 (0.61)	1
TR20VA002	2.31 (5.86)	1.89 (4.80)	2.63 (6.68)	1.63 (4.1)	1.54 (3.9)	8.0 (20.3)	1.32 (0.61)	4
TR20VA003	2.13 (5.4)	1.90 (4.8)	2.6 (6.6)	1.63 (4.1)	1.54 (3.9)	8.0 (20.3)	1.39 (0.63)	1
TR20VA007	2.13 (5.4)	1.90 (4.8)	2.6 (6.6)	1.63 (4.1)	1.54 (3.9)	8.0 (20.3)	1.38 (0.63)	1
TR40VA001	2.7 (6.9)	2.2 (5.6)	2.9 (7.4)	1.75 (4.4)	1.93 (4.9)	8.0 (20.3)	2.02 (0.92)	1
TR40VA002	2.7 (6.9)	2.2 (5.6)	2.9 (7.4)	1.75 (4.4)	1.93 (4.9)	8.0 (20.3)	2.05 (0.93)	4
TR40VA003	2.7 (6.9)	2.2 (5.6)	2.9 (7.4)	1.75 (4.4)	1.93 (4.9)	8.0 (20.3)	2.05 (0.93)	1
TR40VA004	2.75 (7.0)	2.2 (5.6)	2.88 (7.31)	1.75 (4.4)	2.06 (5.23)	8.0 (20.3)	2.02 (0.92)	4
TR40VA015	2.7 (6.9)	2.2 (5.6)	2.88 (7.31)	1.75 (4.4)	1.95 (4.95)	8.0 (20.3)	1.96 (0.89)	1
TR40VA040	2.7 (6.9)	2.2 (5.6)	2.88 (7.31)	1.75 (4.4)	1.95 (4.95)	8.0 (20.3)	1.96 (0.89)	9
TR50VA002	2.75 (7.0)	2.2 (5.6)	2.9 (7.4)	1.75 (4.4)	1.93 (4.9)	8.0 (20.3)	2.14 (0.97)	1
TR50VA003	2.75 (7.0)	2.2 (5.6)	2.9 (7.4)	1.75 (4.4)	2.01 (5.1)	8.0 (20.3)	2.17 (0.98)	4
TR50VA004	3.48 (8.8)	2.52 (6.4)	3.0 (7.6)	2.0 (5.1)	1.95 (5.0)	9.5 (24.1)	3.04 (1.38)	5
TR50VA005	3.5 (8.9)	2.52 (6.4)	3.0 (7.6)	2.0 (5.1)	2.0 (5.1)	9.0 (22.9)	2.6 (1.18)	2
TR50VA006	2.79 (7.1)	2.2 (5.6)	2.9 (7.4)	1.75 (4.4)	2.01 (5.1)	8.0 (20.3)	2.16 (0.98)	1
TR50VA007	2.79 (7.1)	2.2 (5.6)	2.9 (7.4)	1.75 (4.4)	2.01 (5.1)	8.0 (20.3)	2.17 (0.98)	4
TR50VA009	3.48 (8.8)	2.52 (6.4)	3.0 (7.6)	2.0 (5.1)	1.95 (5.0)	9.5 (24.1)	3.04 (1.38)	5
TR50VA014	3.45 (8.76)	2.5 (6.4)	3.05 (7.74)	2.0 (5.1)	1.95 (4.95)	9.0 (22.9)	2.8 (1.27)	2
TR50VA015	3.475 (8.82)	2.53 (6.42)	3.04 (7.72)	2.0 (5.1)	1.95 (4.95)	9.5 (24.1)	2.98 (1.35)	2
TR50VA016	3.475 (8.82)	2.53 (6.42)	3.06 (7.77)	2.0 (5.1)	1.95 (4.95)	9.5 (24.1)	2.90 (1.32)	2
TR50VA017	3.475 (8.82)	2.53 (6.42)	3.05 (7.74)	2.0 (5.1)	1.95 (4.95)	9.5 (24.1)	2.86 (1.29)	2
TR75VA001, 005	3.9 (9.9)	2.5 (6.4)	3.0 (7.6)	2.0 (5.1)	2.4 (6.1)	9.5 (24.1)	3.66 (1.66)	2
TR75VA002	3.9 (9.9)	2.5 (6.4)	3.0 (7.6)	2.0 (5.1)	2.4 (6.1)	9.5 (24.1)	3.70 (1.68)	5
TR75VA003	3.875 (9.84)	2.5 (6.4)	3.06 (7.77)	2.0 (5.1)	2.4 (6.1)	9.5 (24.1)	3.60 (1.63)	2
TR75VA004	3.9 (9.9)	2.5 (6.4)	3.0 (7.6)	2.0 (5.1)	2.4 (6.1)	9.5 (24.1)	3.78 (1.71)	6
TR85VA002	2.80 (7.1)	3.75 (9.5)	3.18 (8.1)	3.10 (7.9)	2.0 (5.1)	9.5 (24.1)	4.35 (1.97)	1
TR100VA001	4.0 (10.2)	2.5 (6.4)	3.0 (7.6)	2.0 (5.1)	2.55 (6.4)	9.5 (24.1)	4.06 (1.84)	2
TR100VA002	4.0 (10.2)	2.5 (6.4)	3.0 (7.6)	2.0 (5.1)	2.55 (6.5)	9.5 (24.1)	4.13 (1.87)	5
TR100VA004	4.25 (10.8)	2.5 (6.4)	3.0 (7.6)	1.97 (5.0)	2.75 (7.0)	9.5 (24.1)	4.60 (2.08)	5
TR150VA001	3.5 (8.9)	3.75 (9.5)	3.25 (8.3)	3.23 (8.2)	2.0 (5.1)	9.5 (24.1)	4.92 (2.23)	3
TR175VA001	3.8 (9.7)	3.8 (9.7)	3.2 (8.1)	3.1 (7.9)	3.0 (7.6)	9.5 (24.1)	7.05 (3.19)	7
TR175VA002	3.9 (9.9)	3.75 (9.5)	3.18 (8.1)	3.1 (7.9)	3.0 (7.6)	9.5 (24.1)	7.10 (3.22)	4
TR240VA001	3.75 (9.5)	3.75 (9.5)	4.5 (11.4)	3.13 (8.0)	3.23 (8.2)	9.5 (24.1)	9.12 (4.13)	8
TR300VA002	5.4 (13.7)	3.75 (9.5)	4.5 (11.4)	3.18 (8.07)	3.84 (9.75)	8.5 (21.6)	12.1 (5.49)	10
TR375VA001	4.33 (11.0)	3.75 (9.5)	4.5 (11.4)	3.15 (8.0)	3.83 (9.7)	7.0 (17.8)	11.44 (5.18)	7



TRANSFORMER STYLES

### WIRING

#### Primary Wires

480 VAC Gray  
277 VAC Brown  
240 VAC Orange  
208 VAC Red

120 VAC White  
24 VAC Black  
Common Black

#### Secondary Wires\*

24 VAC Yellow  
24 VAC Yellow or Yellow/White

\*Transformer Style 9 has secondary screw terminals.

### ORDERING INFORMATION

Order by transformer model as listed under Specifications on the previous page.