



24 VAC Transformer

Transformer

Transform your application

An integral part of all controls installations is the 24 VAC transformer that provides power to the MACH-System controllers and peripherals. Reliable Controls has a quality, cost-effective transformer line for many different power and mounting configurations. Choose from the many models available to suit your application.



Better by design

www.reliablecontrols.com/24VAC



TECH SPECS

Supply Voltages

- Primary supply have multi-tap options 120/347VAC, 120/240/277/480VAC (See ordering table).
- Secondary 24VAC.

Circuit Protection

- Manual reset circuit breaker (some models).
- Thermal protection on models without external breaker.

Dimensions

*See Specification Table.

Mounting

*See Specification Table for mounting hole layout.

- Slotted mounting holes (4): .335" x .176".
- Threaded flange hubs

*See Specification Table for mounting hole layout.

Weight

- *See specification table for each models weight.

Enclosure

- 1/2" steel conduit locknut.
- Wire protecting plastic inserts.

Features

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- Manual reset circuit breakers (MRCB).
- Hub and foot mounts (on selected models).
- Quick connects.
- Split bobbin design.

Output

- 24 VAC.

Frequency

- 50/60 Hz.

Circuit Protection

- Manual reset circuit breaker.

Configuration

- Enclosed split bobbin design with steel end bells.

Lead Wires

- 8" Color-coded lead wires.
- Stripped and tinned flying leads.

Primary Connections

- UL 1015 insulated 18 AWG lead wires, 8" long, .375" ends stripped and tinned.

Secondary Connections

- UL 1015 insulated 18 AWG lead wires, 8" long, .375" ends stripped and tinned.

Certification

- UL Class 2, Class 3, and General Purpose.
- UL Listed or Recognized for USA / Canada.

ORDERING

TRX-50VA-120-277

- 120/240/277/480VAC to 24VAC 50VA Transformer with resettable circuit breaker.

TRX-100VA-120-277

- 120/240/277/480VAC to 24VAC 96VA Transformer with resettable circuit breaker.

TRX-50VA-347

- 120/347VAC to 24VAC 50VA Transformer with resettable circuit breaker.

TRX-100VA-347

- 120/347VAC to 24VAC 100VA Transformer with resettable circuit breaker.

TRX-20VA-SMK

- 120 to 24VAC 20VA Threaded flange hub on input and output.

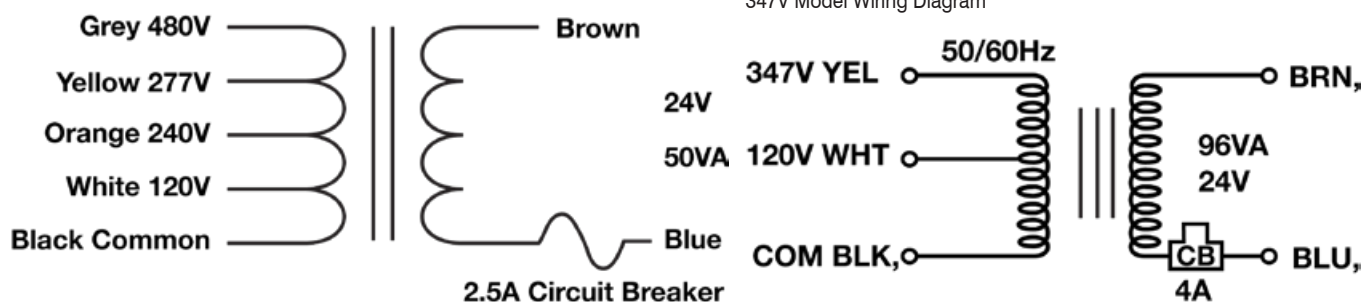
TRX-50VA-SMK

- 120 to 24VAC 50VA Threaded flange hub on input and output.

TRX-75VA-SMK

- 120 to 24VAC 75VA Threaded flange hub on input and output with resettable circuit breaker.

WIRING DIAGRAMS

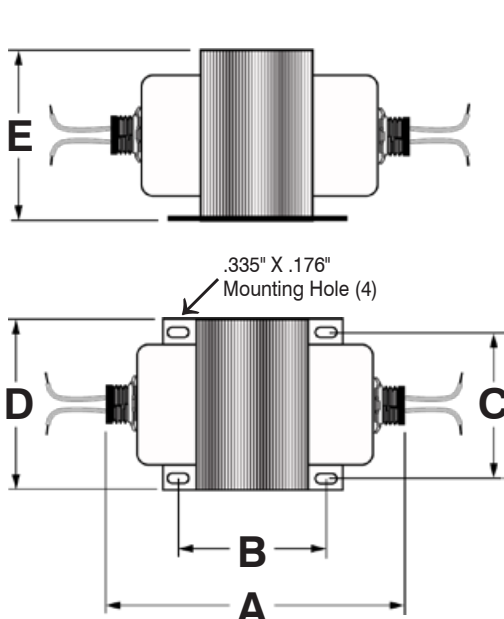


NOTE: Specific wiring schedule is labelled on the transformer nameplate.

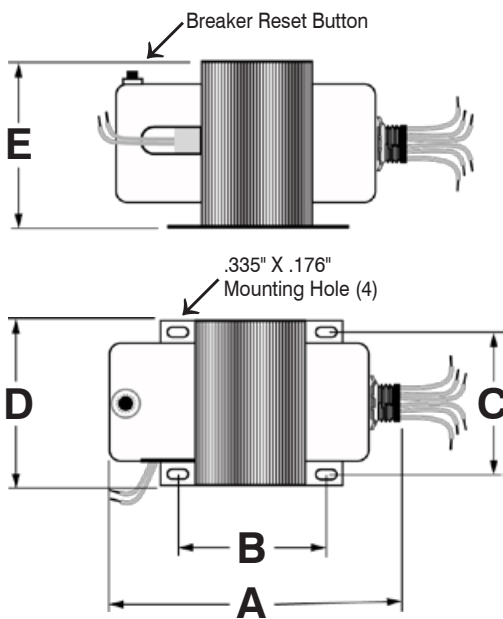
DIMENSION DIAGRAMS

*See Specification Table for dimension details.

Dimension Diagram 1



Dimension Diagram 2



Smoke models can be used for smoke control or general purpose.

*Specification Table

The following table specifies the weight and dimensions of each of the transformers. Letters in the dimensions columns relate to Dimension Diagram 1 and Dimension Diagram 2.

Transformer Model	Weight	Dimensions (cm/inches)					Diagram #
		A	B	C	D	E	
TRX-50VA-120-277	1.35 kg (2.98 lb)	8.86 cm/3.49"	4.9 cm/1.93"	5.08 cm/2.00"	6.4 cm/2.52"	7.77 cm/3.06"	2
TRX-50VA-347	1.35 kg (2.98 lb)	10.8 cm/4.25"	4.85 cm/1.91"	5.16 cm/2.03"	6.35 cm/2.50"	7.72 cm/3.04"	1
TRX-100VA-120-277	2.06 kg (4.54 lb)	10.8 cm/4.25"	6.86 cm/2.70"	5.08 cm/2.00"	6.4 cm/2.52"	7.8 cm/3.07"	2
TRX-100VA-347	2.06 kg (4.54 lb)	12.78 cm/5.03"	6.86 cm/2.70"	5.16 cm/2.03"	6.35 cm/2.50"	7.72 cm/3.04"	1
TRX-20VA-SMK	0.61 kg (1.35 lb)	5.89 cm/2.32"	3.94 cm/1.55"	4.27 cm/1.68"	4.83 cm/1.90"	5.23 cm/2.06"	1
TRX-50VA-SMK	0.97 kg (2.19 lb)	6.68 cm/2.63"	5.16 cm/2.03"	4.45 cm/1.75"	5.56 cm/2.19"	7.42 cm/2.92"	1
TRX-75VA-SMK	1.66 kg (3.66 lb)	9.91 cm/3.90"	5.87 cm/2.31"	5.08 cm/2.00"	6.4 cm/2.52"	7.77 cm/3.06"	1

Dealer Information: