

GROUP F

380/440/550/600 PRIMARY VOLTS — 115/230 SECONDARY VOLTS — 50/60 Hz



CATALOG NO.	VA RATING	OUTPUT AMPS	APPROX. DIMENSIONS Inches (Cm.)						APPROX. SHIP WEIGHT Lbs. (Kg.)	PRIMARY FUSE BLOCK Part No.	SECONDARY FUSE KIT ① Part No.	SECONDARY FUSE SIZE ② 115 VOLTS
			A	B	C	D	E	F				
TA-2-54535	50	0.43	4.12 (10.5)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	2.19 (5.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112701	PL-112600	6/10 amp
TA-2-54536	100	0.87	4.56 (11.6)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	2.31 (5.9)	.22 x .50 (0.6 x 1.3)	5 (2.3)	PL-112701	PL-112600	1 1/4 amps
TA-2-54537	150	1.30	5.00 (12.7)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	3.06 (7.8)	.22 x .50 (0.6 x 1.3)	10 (4.5)	PL-112701	PL-112600	2 amps
TA-2-54538	250	2.17	5.49 (13.9)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.50 (8.9)	.22 x .50 (0.6 x 1.3)	11 (5.0)	PL-112702	PL-112601	3 1/2 amps
TA-2-81197	350	3.04	6.03 (15.3)	4.88 (12.4)	4.15 (10.5)	4.06 (10.3)	4.38 (11.1)	.22 x .50 (0.6 x 1.3)	17 (7.7)	PL-112703	PL-112601	5 amps
TA-2-54539	500	4.35	6.76 (17.1)	4.88 (12.4)	4.15 (10.5)	4.06 (10.3)	5.75 (14.6)	.22 x .50 (0.6 x 1.3)	23 (10.4)	PL-112703	PL-112601	7 amps
TA-2-81240	750	6.52	7.19 (18.3)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	3.69 (9.4)	.31 x .50 (0.8 x 1.3)	25 (11.3)	PL-112705	PL-112601	10 amps
TA-2-81241	1000	8.70	7.77 (19.7)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	4.44 (11.3)	.31 x .50 (0.8 x 1.3)	30 (13.6)	PL-112705	PL-112601	12 amps

GROUP G

**240/416/480/600; 230/400/460/575; 220/380/440/550; 208/500 PRIMARY VOLTS
99/120/130; 95/115/125; 91/110/120; 85/100/110 SECONDARY VOLTS — 50/60 Hz**

CATALOG NO.	VA RATING	OUTPUT AMPS	APPROX. DIMENSIONS Inches (Cm.)						APPROX. SHIP WEIGHT Lbs. (Kg.)	PRIMARY FUSE BLOCK Part No.	SECONDARY FUSE KIT ① Part No.	SECONDARY FUSE SIZE 130 VOLTS
			A	B	C	D	E	F				
TA-2-32403	50	0.38	4.08 (10.4)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	2.31 (5.9)	.22 x .50 (0.6 x 1.3)	5 (2.3)	PL-112701	PL-112600	6/10 amp
TA-2-32404	150	1.15	4.75 (12.1)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.05 (7.7)	.22 x .50 (0.6 x 1.3)	10 (4.5)	PL-112702	PL-112601	16/10 amps
TA-2-32405	250	1.92	5.58 (14.2)	4.88 (12.4)	4.15 (10.5)	4.06 (10.3)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	16 (7.3)	PL-112703	PL-112601	3 2/10 amps
TA-2-32669	350	2.69	6.23 (15.8)	4.88 (12.4)	4.15 (10.5)	4.06 (10.3)	5.50 (14.0)	.22 x .50 (0.6 x 1.3)	22 (10.0)	PL-112703	PL-112601	4 amps
TA-2-32406	500	3.85	6.40 (16.3)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	3.69 (9.4)	.22 x .50 (0.6 x 1.3)	23 (10.4)	PL-112705	PL-112601	6 1/4 amps
TA-2-54523	750	5.77	7.08 (18.0)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	4.13 (10.5)	.31 x .50 (0.8 x 1.3)	29 (13.2)	PL-112705	PL-112601	9 amps
TA-2-54524	1000	7.69	8.56 (21.7)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	4.88 (12.4)	.31 x .50 (0.8 x 1.3)	35 (15.9)	PL-112705	PL-112601	12 amps
TA-2-54525	1500	11.54	6.75 (17.1)	7.50 (19.1)	7.66 (19.5)	6.50 (16.5)	5.42 (13.8)	.41 x .81 (1.0 x 2.1)	55 (24.9)	PL-112706	PL-112601	20 amps
TA-2-81202	2000	15.39	7.45 (18.9)	7.50 (19.1)	7.66 (19.5)	6.50 (16.5)	6.12 (15.5)	.41 x .81 (1.0 x 2.1)	55 (24.9)	PL-112706	PL-112601	25 amps
TA-2-81203	3000	23.08	7.02 (17.8)	11.92 (30.3)	8.83 (22.4)	6.75 (17.1)	5.75 (14.6)	.41 x .81 (1.0 x 2.1)	70 (31.8)	PL-112707	—	—
TA-2-81205	5000	38.46	7.52 (19.1)	11.92 (30.3)	9.49 (24.1)	6.75 (17.1)	6.25 (15.9)	.41 x .81 (1.0 x 2.1)	110 (49.9)	PL-112707	—	—

CONNECTION DETAILS FOR GROUP G

Connect To Line For Respective Voltage					Output Volts		
H1-H2	H1-H3	H1-H4	H1-H5	X1-X2	X1-X3	X1-X4	
208	—	—	500	85	100	110	
220	380	440	550	91	110	120	
230	400	460	575	95	115	125	
240	416	480	600	99	120	130	

① Secondary Fuse Kit PL-112603 may be substituted for PL-112600 thru PL-112602 when Primary Fuse Kit is used. See page 65.

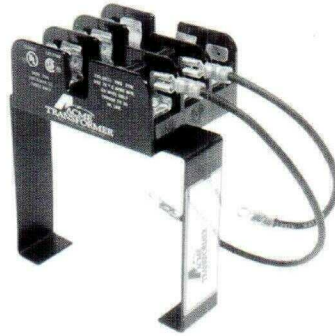
② Secondary fuse kit application for 115V only.

Industrial Control Transformers

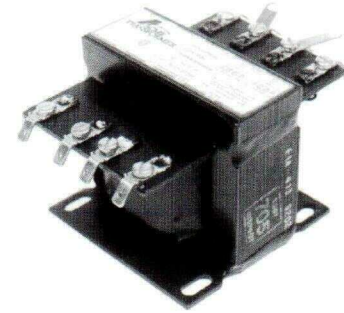
Industrial control transformers are used to reduce supply voltages to 230 V or lower for the operation of electromagnetic devices such as contactors, solenoids, relays, and timers. They are especially designed to accommodate the momentary current inrush caused when electromagnetic components are energized . . . without sacrificing secondary voltage stability beyond practical limits.

Acme Industrial Control Transformers are dry-type, step-down transformers with the secondary control circuit isolated from the primary line circuit to assure maximum safety.

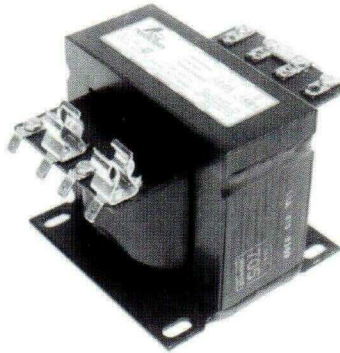
Voltage regulation of Acme Industrial Control Transformers exceeds standards recommended by the National Electrical Manufacturers Association. Secondary circuit voltage drop between no-load and momentary overload remains exceptionally low. This excellent secondary circuit voltage regulation assures reliable operation of electromagnetic components and may permit the use of a smaller and less expensive industrial control transformer.



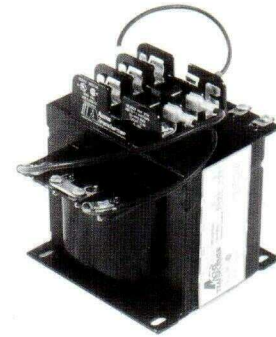
Primary Fuse Kit with Snap-on Secondary Fuse Block



Jumper Link Connections



Secondary Fuse Clips



Integrally Mounted Fuse Blocks

Acme Industrial Control Transformers Meet or Exceed UL, CSA, NEMA and ANSI

Acme Industrial Control Transformers 50 through 5000 VA are UL Listed, File E79947 and CSA certified, File 7357.

Laminations — High-permeability silicon steel continuously annealed to minimize core losses.

Magnet Wire — Copper magnet wire is coated with high temperature-resisting insulating film.

Coils — Precision wound by machine; total turns per coil automatically counted.

Terminals — Copper-alloy terminals are soldered to coil leads. “Quick Connects” are available on 50-150 VA units.

Mounting — Heavy steel mounting plates add strength to core construction and provide firm mounting, slotted to facilitate installation.

Terminal Boards — Sturdy phenolic terminal boards.

Sizing Primary Fuses:

Primary Amps < 2, fuse size is 300% of rated primary current
 Primary Amps 2 < 9, fuse size is 167% of rated primary current
 Primary Amps ≥ 9, fuse size is 125% of rated primary current.

Sizing Secondary Fuses:

Secondary Amps < 9, fuse size is 167% of rated secondary current
 Secondary Amps ≥ 9, fuse size is 125% of rated secondary current.

EPOXETRAN™ Encapsulated Control Transformers.
See Pages 68-69 in this section.

Features

- Constructed with high quality silicon steel lamination to minimize core losses and increase efficiency.
- Designs incorporate precision wound coils for improved regulation.
- Primary fuse blocks and secondary fuse kits available and easily adaptable.
- Series-parallel connecting links save wiring and labor costs.
- Sturdy phenolic terminal panel protects the coil from foreign objects and mechanical damage.
- Copper windings on all groups.
- 130°C Insulation class. 80°C temperature rise.
- Wire retention on both primary and secondary terminals.
- Mounting plate adapts to various mounting dimensions.
- Voltage regulation exceeds NEMA requirements.
- UL Listed, CSA Certified.
- Attractive finish, nameplate, and design features enhance the end product.

Integrally Mounted Fuse Blocks Available: (See Chart)

GROUP 'A' THROUGH 500 VA
GROUP 'B' THROUGH 1000 VA

Add Suffix To Catalog No.	Configuration
- F2	Integrally mounted 2-pole primary block
- F3	Integrally mounted 3-pole primary and secondary block

Consult factory for other sizes available.

Specifications and Dimensions

GROUP A

120 X 240 PRIMARY VOLTS — 24 SECONDARY VOLTS — 50/60 Hz



CATALOG NO. ②	VA RATING	OUTPUT AMPS	APPROX. DIMENSIONS Inches (Cm.)						APPROX. SHIP WEIGHT Lbs. (Kg.)	PRIMARY FUSE BLOCK Part No.	SECONDARY FUSE KIT ① Part No.	SECONDARY FUSE SIZE 24 VOLTS
			A	B	C	D	E	F				
TA-2-81141 ②	50	2.08	4.23 (10.7)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	2.13 (5.4)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	PL-112602	3 ² / ₁₀ amps
TA-2-81142 ②	75	3.13	4.74 (12.0)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	2.61 (6.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	PL-112602	5 amps
TA-2-81143 ②	100	4.17	4.90 (12.4)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	PL-112602	6 ¹ / ₄ amps
TA-2-81144 ②	150	6.25	4.78 (12.1)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	2.63 (6.7)	.22 x .50 (0.6 x 1.3)	6 (2.7)	PL-112701	PL-112602	10 amps
TA-2-81146 ②	250	10.42	5.08 (12.9)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.05 (7.7)	.22 x .50 (0.6 x 1.3)	9 (4.1)	PL-112702	PL-112601	15 amps
TA-2-81148 ②	350	14.58	6.12 (15.5)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	13 (5.9)	PL-112702	PL-112601	20 amps
TA-2-81149 ②	500	20.83	5.90 (15.0)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	4.19 (10.6)	.31 x .50 (0.8 x 1.3)	16 (7.3)	PL-112704	PL-112601	30 amps
TA-2-81150	750	31.25	7.53 (19.1)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	5.25 (13.3)	.31 x .50 (0.8 x 1.3)	24 (10.9)	PL-112704	—	—
TA-2-81151	1000	41.67	7.43 (18.9)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	3.81 (9.7)	.31 x .50 (0.8 x 1.3)	26 (11.8)	PL-112705	—	—

GROUP B

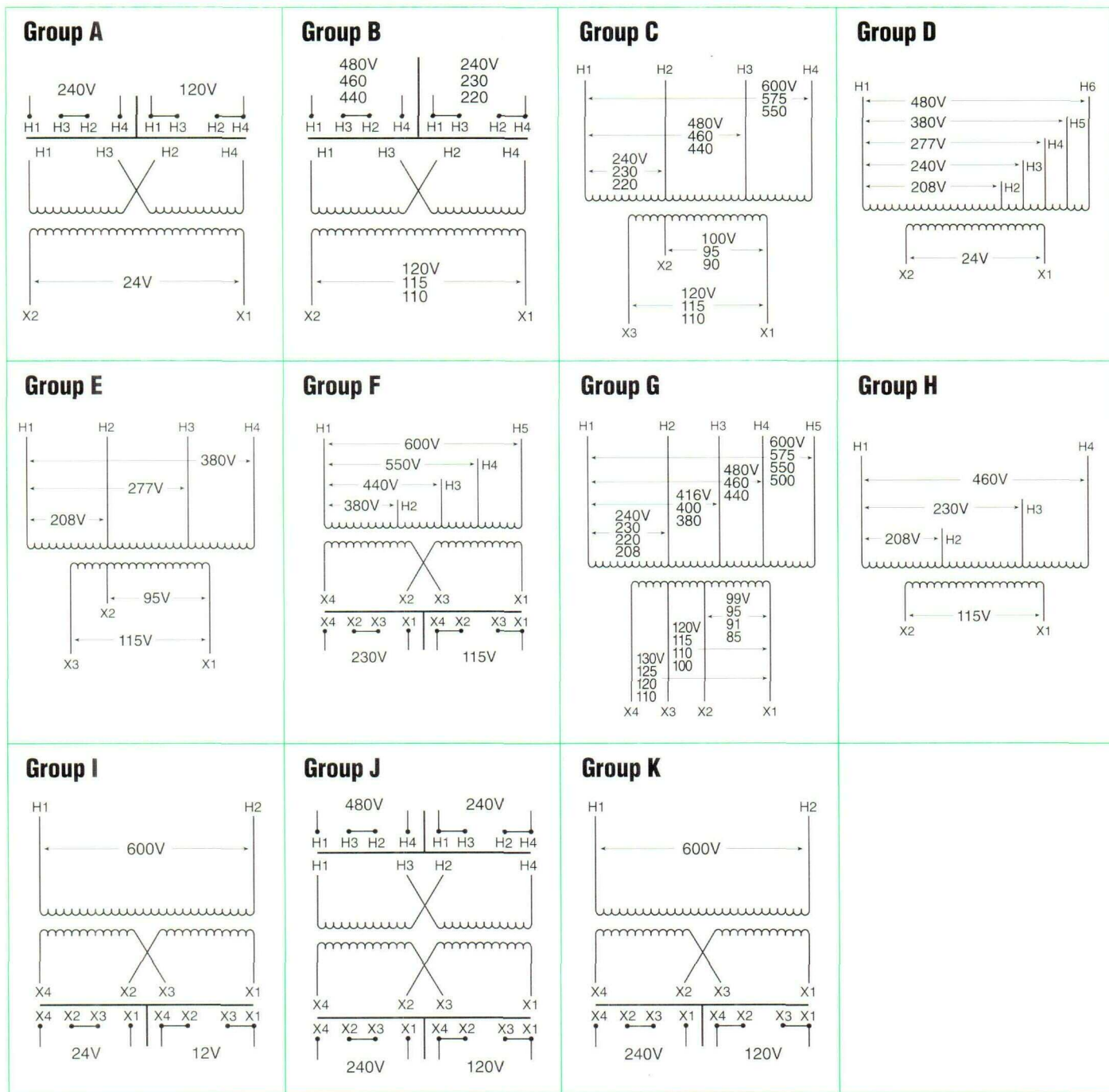
240 X 480, 230 X 460, 220 X 440 PRIMARY VOLTS — 120/115/110 SECONDARY VOLTS — 50/60 Hz

CATALOG NO. ②	VA RATING	OUTPUT AMPS	APPROX. DIMENSIONS Inches (Cm.)						APPROX. SHIP WEIGHT Lbs. (Kg.)	PRIMARY FUSE BLOCK Part No.	SECONDARY FUSE KIT ① Part No.	SECONDARY FUSE SIZE 120 VOLTS
			A	B	C	D	E	F				
TA-2-81210 ②	50	0.42	4.23 (10.7)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	2.13 (5.4)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	PL-112602	6 ¹ / ₁₀ amp
TA-2-81201 ②	75	0.63	4.74 (12.0)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	2.61 (6.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	PL-112602	1 amp
TA-2-81211 ②	100	0.83	4.90 (12.4)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	PL-112602	1 ¹ / ₄ amps
TA-2-81212 ②	150	1.25	5.00 (12.7)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	6 (2.7)	PL-112701	PL-112602	2 amps
TA-2-81213 ②	250	2.08	5.57 (14.1)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.13 (8.0)	.22 x .50 (0.6 x 1.3)	9 (4.1)	PL-112702	PL-112601	3 ² / ₁₀ amps

① Secondary Fuse Kit PL-112603 may be substituted for PL-112600 thru PL-112602 when Primary Fuse Kit is used. See page 65.

② See chart for integrally mounted fuse block catalog number suffix.

Industrial Control Electrical Connection Diagrams



Dimensions

50 VA Thru 2 KVA

3 & 5 KVA

