Industrial Control Transformers

Industrial control transformers are used to reduce supply voltages to 230V or lower for the operation of electromagnetic devices such as contactors, solenoids, relays, and timers. They are especially designed to accommodate the momentary 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 secondary control circuit isolated from the primary line circuit to assure maximum safety.

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

Integrally Mounted Fuse Blocks Available: Group A through 500VA, Group B through 1000VA. **Add Suffix:** -F2 for Integrally mounted 2-pole primary block. **Add Sufix:** -F3 for Integrally mounted 3-pole primary and secondary block.

Specifications & Dimensions

Group A

120 x 240 Primary Volts - 24 Secondary Volts - 1Ø, 50/60 Hz

** Secondary fuse Kit PL-112603 may be substituted for PL-112600 thru PL-112602 when Primary Fust Kit is used. See below.

Mfr.'s Type	VA Rating	Output Amps	Approx. Dimensions Inches A	B	C	D	E	F	Approx. Ship Wt. lbs	Each	Primary Fuse Block Mfr.'s Type	Secondary **Fuse Kit Mfr.'s Type	Secondary Fuse Size 24 Volts
TA-2-81141	50	2.08	4.23	3.00	2.59	2.50	2.13	.22X.50	4	27.90	PL-112700	PL-112602	3⁄10 amps
TA-2-81142	75	3.13	4.74	3.00	2.59	2.50	2.61	.22X.50	4	35.00	PL-112700	PL-112602	5 amps
TA-2-81143	100	4.17	4.90	3.00	2.59	2.50	2.81	.22X.50	4	37.70	PL-112700	PL-112602	6¼ amps
TA-2-81144	150	6.25	4.78	3.75	3.21	3.13	2.63	.22X.50	6	45.40	PL-112701	PL-112602	10 amps
TA-2-81146	250	10.42	5.08	4.50	3.84	3.75	3.05	.22X.50	9	73.40	PL-112702	PL-112601	15 amps
TA-2-81148	350	14.58	6.12	4.50	3.84	3.75	4.06	.22X.50	13	80.40	PL-112702	PL-112601	20 amps
TA-2-81149	500	20.83	5.90	5.25	4.47	4.38	4.19	.31X.50	16	95.50	PL-112704	PL-112601	30 amps
TA-2-81150	750	31.25	7.53	5.25	4.47	4.38	5.25	.31X.50	24	129.00	PL-112704	-	-
TA-2-81151	1000	41.67	7.43	6.75	5.72	5.75	3.81	.31X.50	26	158.00	PL-112705	-	-

Group B

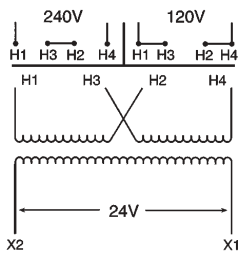
240 x 480, 230 x 460, 220 x 440 Primary Volts - 120/115/110 Secondary Volts - 1Ø, 50/60 Hz

** Secondary fuse Kit PL-112603 may be substituted for PL-112600 thru PL-112602 when Primary Fust Kit is used. See below.

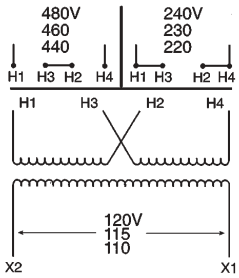
Mfr.'s Type	VA Rating	Output Amps	Approx. Dimensions Inches A	B	C	D	E	F	Approx. Ship Wt. lbs	Each	Primary Fuse Block Mfr.'s Type	Secondary **Fuse Kit Mfr.'s Type	Secondary Fuse Size 120Volts
TA-2-81210	50	0.42	4.23	3.00	2.59	2.50	2.13	.22x.50	4	23.10	PL-112700	PL-112602	⁄10 amp
TA-2-81201	75	0.63	4.24	3.00	2.59	2.50	2.61	.22x.50	4	27.50	PL-112700	PL-112602	1 amp
TA-2-81211	100	0.83	4.90	3.00	2.59	2.50	2.81	.22x.50	4	30.30	PL-112700	PL-112602	1¼ amps
TA-2-81212	150	1.25	5.00	3.75	3.21	3.13	2.81	.22x.50	6	33.10	PL-112701	PL-112602	2 amps
TA-2-81213	250	2.08	5.57	4.50	3.84	3.75	3.13	.22x.50	9	48.00	PL-112702	PL-112601	3⁄10 amps
TA-2-81200	300	2.50	5.57	4.50	3.84	3.75	3.13	22x.50	10	53.00	PL-112702	PL-112601	4 amps
TA-2-81214	350	2.92	6.32	4.50	3.84	3.75	3.83	.22x.50	12	57.50	PL-112702	PL-112601	4½ amps
TA-2-81215	500	4.17	6.30	4.88	4.15	4.06	3.81	.22x.50	15	70.70	PL-112703	PL-112601	6¼ amps
TA-2-81216	750	6.25	6.65	5.25	4.47	4.38	5.13	.31x.50	23	96.80	PL-112704	PL-112601	10 amps
TA-2-81217	1000	8.33	7.58	6.75	5.72	5.75	3.69	.31x.50	25	118.00	PL-112705	PL-112601	12 amps
TA-2-81218	1500	12.50	8.80	6.75	5.72	5.75	5.75	.31x.50	43	168.00	PL-112705	PL-112601	15 amps
TA-2-81219	2000	16.67	9.25	6.75	5.72	5.75	6.38	.31x.50	49	199.00	PL-112705	PL-112601	20 amps
TA-2-81220	3000	25.00	8.81	7.50	8.34	6.50	7.52	.41x.81	70	278.00	PL-112706	-	-
TA-2-81221	5000	41.67	7.52	11.92	9.49	6.75	6.25	.41x.81	125	487.00	PL-112707	-	-

Connection Diagrams

Group A

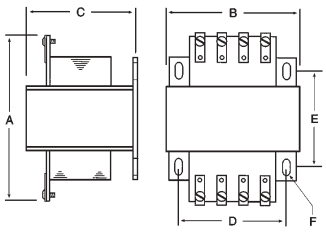


Group B

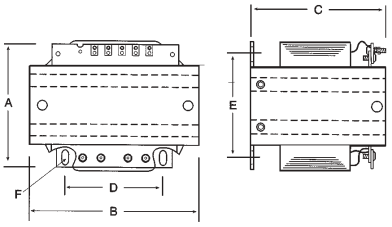


Dimensions

50 VA Thru 2 KVA



3 & 5 KVA



Primary Fuse Kits

- Meets NEC article 450 and UL 508 requirements.
- For use with class "CC" fuses.
- Eliminates remote mounting of primary overcurrent protection
- Covered by Acme Transformers 10 year warranty.

TYPE PL-112700 - PL112705 USING 2 CLASS CC DUAL ELEMENT FUSES Bussmann Type FNQR (NOT SUPPLIED)
Field installation is fast and easy. Simply loosen the mounting hardware (Fig 1.), slide the bracket over the transformer and re-tighten the mounting hardware. Make the proper connections with factory furnished jumpers (Fig 2.) and your unit is ready for operation.

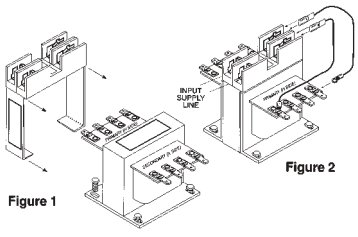


Figure 1

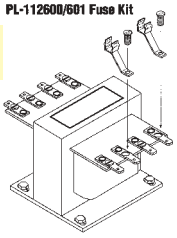
Figure 2

Secondary Fuse Kits

- **TYPE PL-112600, 601, 602: USE DUAL ELEMENT SLOW-BLOW FUSES**
- Mount secondary fuse clips on terminals X1 and F or F1 using the screws supplied with the transformer.
- Connect secondary load lines to terminals X2 and F or F2.
- Use dual-element slow blowing fuses such as Bussmann MFG., Fusetron Type FNM, Littelfuse or Shawmut (Not Supplied With Fuse Kits).

Please call for Pricing

PL-112600/601 Fuse Kit



PL-112602 Fuse Kit