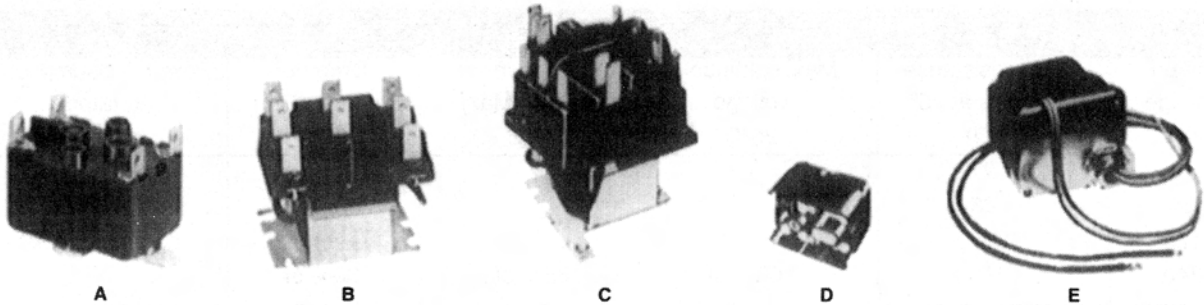




AC GENERAL PURPOSE RELAYS

Operate in any position. Coils are for 60 Hz operation. Ratings listed are continuous unless noted otherwise. **Breakdown Voltage:** 1500V rms, 60 Hz, opposite polarity or to ground; 1000V RMS, 60 Hz, open contacts same polarity. **Electrical Life:** 100,000 operations at rated load.

Fig. A. Type 84—Totally enclosed type with silver alloy contacts rated at 125-250VAC. Models 84-922-927 rated 3 amps at 125VAC or 1.5 amps at 250VAC pilot duty. All others: SPNO—16 amps, resistive; 8 amps (25 amps inrush) inductive. SPDT—8 amps resistive; 8 amps (18 amps inrush) inductive. Models 84-901-908 have screw terminals; models 84-912-927 have $\frac{1}{4}$ " x tab terminals. **Size:** $2\frac{3}{8}$ " x $1\frac{1}{8}$ " x $1\frac{1}{2}$ " overall. Mounting hardware included in boxed quantity only.

Mfr. No.	Contacts	Coil V (50/60 Hz)
84-901	SPNO	6
84-902	SPNO	24
84-903	SPNO	120
84-906	SPDT	24
84-907	SPDT	120
84-908	SPDT	208/240
84-912	SPNO	24
84-913	SPNO	120
84-914	SPNO	208/240
84-917	SPDT	120
84-918	SPDT	208/240
84-922	SPNO	24
84-926	SPDT	24
84-927	SPDT	120

Fig. A. Type 184—Totally enclosed type with mounting bracket; operates in any position. Models 184-902—918 rated 18 amps resistive at 277VAC; 12 amps (60 amps inrush) inductive at 125VAC; 8 amps (48 amps inrush) inductive at 250VAC; 7 amps (42 amps inrush) inductive at 277VAC. Models 184-922—927 rated 3 amps at 277VAC; 125VA at 125VAC; 277VA at 277VAC. Models 184-902—907 have screw terminals; others have $\frac{1}{4}$ " quickconnect terminals. **Size:** $2\frac{3}{8}$ " x $1\frac{1}{8}$ " x $1\frac{1}{2}$ ".

Mfr. No.	Contacts	Coil V (50/60 Hz)
184-902	SPNO	24
184-903	SPNO	120
184-907	SPDT	120
184-912	SPNO	24
184-913	SPNO	120
184-916	SPDT	24
184-918	SPDT	208/240
184-922	SPNO	24
184-927	SPDT	120

DC GENERAL PURPOSE RELAYS

Same as Type 84 AC General Purpose Relays except for DC operation. See illustrations and specifications under AC General Purpose Relays.

Mfr. No.	Coil VDC	Coil Resis., Ohms†	Contact Rating		Contacts
			VDC	Amps	
84D-902	12	90.0	12	3	SPDT
84D-903	24	280.0	24	1.5	SPDT

†At 25°C.

AC/DC GENERAL PURPOSE RELAYS

Fig. B. Type 134—General purpose relays feature quiet operation, versatile $\frac{1}{4}$ " QC termination and are totally enclosed. **Duty Cycle:** Continuous. **Contact Material:** Silver alloy. **Insulating Material:** Block-molded phenolic. **Dielectric Strength:** 1554V rms 60Hz any terminal to ground. **Temperature Range:** -40°F to 150°F. **Weight:** 2.5 oz approx. **UL Listed, CSA Certified.**

Mfr. No.	Contacts	Coil	
		Volts	Ohms
134-916	SPDT	24 VAC	70
134-917	SPDT	120 VAC	1800

TYPE 134 CONTACT RATING

Contact Rating Inductive: 12 FLA, 84 LRA @ 125 VAC
8 FLA, 48 LRA @ 250 VAC
7 FLA, 42 LRA @ 277 VAC

Horsepower Ratings: $\frac{1}{4}$ HP @ 125 VAC
1 HP @ 250 VAC
1 HP @ 277 VAC

Fig. C. Type 91—Solenoid action type with quick-connect terminals; operates in any position. DPDT contact arrangement. **Power Rating (A):** Enclosed fine silver contacts rated 15 amps, 277VAC, max., resistive; 12 amps (60 amps inrush), 125VAC or 6 amps (35 amps inrush), 250VAC, inductive. **Pilot Rating (B):** Gold alloy crossbar contacts rated 3 amps, 277 VAC, max., resistive; 125VA, 1/10 hp, 125/250VAC, inductive. **Number of Operations per Minute:** 6. **Size:** $2\frac{1}{8}$ " x $1\frac{1}{8}$ " x $2\frac{3}{8}$ ". Quick-connect wiring terminals included in boxed quantity only.

Mfr. No.	Coil V‡	Circuit Rating #1*	Circuit Rating #2†
91-901	24	A	A
91-902	120	A	A
91-903	230§	A	A
91-905	120	A	B

*Three terminals at the mounting hole side. †Three terminals at the coil terminal side. ‡50/60 Hz. §208/240 volts. #A, power rating; B, pilot rating.

AC POWER RELAYS

Fig. D. Type 129—Totally enclosed; silver alloy contacts rated 18 amps resistive or 18 amps inductive at 250VAC max., 1 Hp at 125V or 2 Hp at 250V. **Size:** $2\frac{3}{8}$ " x $1\frac{1}{8}$ " x $2\frac{1}{4}$ " overall.

Mfr. No.	Contacts	Coil V‡
129-903	SPNO	120
129-904	SPNO	208*
129-907†	SPDT	120
129-911§	SPNO	24
129-912§	SPNO	120

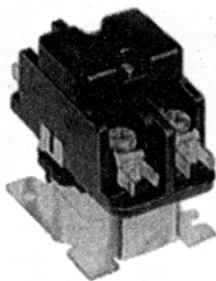
*208/230 Volts. †All contact terminals must be wired to same polarity. ‡50/60 Hz. §Quick-connect. $\frac{1}{4}$ " tab terminals.

Fig. E. Type 129AR Add-A-Relay—Same as Type 129 except has aluminum diecast base and bushing; rated 1Hp at 120V, $\frac{1}{2}$ Hp at 250V. High impact phenolic enclosure; 8" color-coded leads. **Size:** $2\frac{3}{4}$ " x $2\frac{3}{8}$ " x $3\frac{1}{8}$ ". Mounts in $\frac{1}{2}$ " dia. knock-out. Mounting hardware supplied. Meets standard code requirements. UL white card listed.

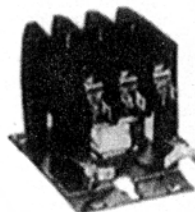
Mfr. No.	Contacts	Coil V‡
129AR-901	SPNO	24
129AR-902	SPNO	120

‡50/60 Hz.

AC POWER CONTACTORS



A



B

Fig. A. Type 122—2PNO; screw power terminals. #10 solid wire max. Auxiliary quick-connect terminals; straight-thru wiring; double make contacts. Weight: 10.5 oz. (approx.)

Mfg. No.	Contacts	Coil Volts
122-901	2PNO	24
122-902	2PNO	120
122-903	2PNO	208/240
122-905	2PNO	24
122-906	2PNO	120
122-907	2PNO	208/240

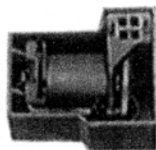
TYPE 122 CONTACT RATING

Inductive	Resistive
30 Amp. Cont. 150 Amp. Inrush at 277 VAC Per Pole	40 Amp. at 600 VAC
40 Amp. Cont. 200 Amp. Inrush at 277 VAC Per Pole With Cover	40 Amp. at 600 VAC

Fig. B. Type 154—3PNO (40 amps type also with DPNO). 20 and 25 amps, screw connectors line and load side for #14 through #8 wire; 1/4" double quick connect auxiliary and coil terminals. 30 and 40 amps, pressure connectors on line side for #14 through #4 wire; screw connectors on load side (pressure connector for 40 amps); 1/4" double quick connect auxiliary and coil terminals. Non-positional type 154 power contactors come with interchangeable mounting; low coil wattage and non-corroding structure. Type 154 has low temperature rise; riveted terminal assemblies. Hardware included in boxed quantity only. Size: 3 3/4" x 2 3/4" (3 1/4" for 40 amps) x 3 1/8" overall.

Mfg. No.	Contacts	Coil Volts
154-902	3PNO	120
154-903	3PNO	208/240
154-904	3PNO	24
154-905	3PNO	120
154-907	3PNO	24
154-908	3PNO	120
154-910	3PNO	24
154-911	3PNO	120
154-912	3PNO	208/240
154-913	DPNO	24
154-914	DPNO	120
154-915	DPNO	208/240

PC BOARD POWER RELAYS



A



B

Mfg. No.	Coil Voltage	Contacts	Fig.
SEALED CASE			
TS9012A	12VDC	SPNO	B
TS9024C	24VDC	SPDT	B
DUST COVER CASE			
TD9012C	12VDC	SPDT	A

CONTACT RATINGS SILVER-CADMIUM OXIDE

Voltage	Load Type	Form A (NO)	Form B (NC)	Form C	
				(NO)	(NC)
AC	Inductive or Resistive	30A at 240 VAC	15A at 240 VAC	20A at 240 VAC	10A at 240 VAC
AC	Motor Tungsten Ballast General Purpose	1 HP at 120 VAC 2 HP at 120 VAC 5A at 240 VAC 6A at 277 VAC 6A at 277 VAC	1/4 HP at 120 VAC 1/2 HP at 240 VAC 3A at 240 VAC 3A at 277 VAC 3A at 277 VAC	1 HP at 120 VAC 2 HP at 240 VAC 5A at 240 VAC 6A at 277 VAC 6A at 277 VAC	1/4 HP at 120 VAC 1/2 HP at 240 VAC 3A at 240 VAC 3A at 277 VAC 3A at 277 VAC
DC	Inductive Resistive	20A at 28 VDC 20A at 28 VDC	15A at 28 VDC 10A at 28 VDC	15A at 28 VDC 20A at 28 VDC	5A at 28 VDC 10A at 28 VDC

Specifications:

Max. Coil Temperature	+130°C
Operating Temperature Range	-55 to +85°C
Operating Time (including bounce)	15 ms max. 9 ms typ
Release Time (including bounce)	10 ms max. 7 ms typ