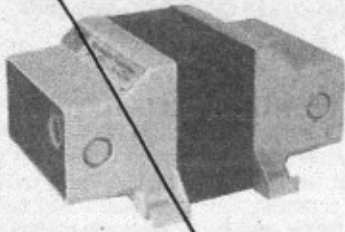


ULTRA ISOLATORS

TOPAZ LINE NOISE SUPPRESSING TRANSFORMERS

Protect sensitive equipment from the voltage transients, spikes, and electrical "noise" appearing on most commercial power lines.



1 KVA TOPAZ, #91001-31. Input 120/240 VAC. Output 120/240 50/60 Hz. Capacitance 0.0005 pF. Noise suppression 146 dB. Weight 37 lbs.

Stock #STR2300

1 KVA 400 HZ TOPAZ, #91901-46. Input: 120 VAC 400 Hz. Output: 120 VAC 400 Hz. Rated 1 KVA. Capacitance between windings 0.001 pF. Dimensions: 9" wide x 4-1/2" high x 7" deep.

Stock #STR9550

4 KVA TOPAZ, #13213. Input: 114-120-126 VAC 47 to 70 Hz. Output is 120 VAC. Noise suppression level is 126 dBA. The winding capacitance is 0.005 pF. Weight 63 lbs.

Stock #STR9950

5 KVA TOPAZ, #91005-11. Input 120/240 VAC. Output 120/240 VAC. Capacitance 0.005 pF. Noise suppression 126 dB. Dimensions: 6-3/4" high x 7-3/4" wide x 16-1/2" deep. Weight 95 lbs.

Stock #STR8813

5 KVA TOPAZ, #91905-68. Input 220/440 VAC. Output 120/240 VAC. Capacitance 0.005 pF. Noise suppression 126 dB. Dimensions: 6-3/4" high x 7-3/4" wide x 16-1/2" deep. Weight 95 lbs.

Stock #STR2101

HIGH CURRENT ISOLATION TRANSFORMER

7.5 KVA HIGH ISOLATION TRANSFORMER
ELGAR #HT 7.5-13. Input is 120/240 VAC 60 Hz. Output is 120/240 VAC. Current rating is 62.5 amps @ 120 VAC out and 31.25 amp at 240 VAC out. Inter-winding capacitance is 0.0005 pF. Noise isolation is 146 dB. Has a metal housing. Dimensions: 12" wide x 10" high. Weight is 180 lbs.

Stock #STR2400

3 KVA 3 PHASE TOPAZ, #91403-31. Input 120-208 WYE. Output 120-208 WYE. Capacitance 0.001 pF. Noise suppression 140 dB. Dimensions: 7-1/2" high x 10" wide x 36-3/4" deep. 50/60 Hz. Weight approx. 140 lbs.

Stock #STR8814

5 KVA EXTREME ISOLATION TRANSFORMER XENTEC #EIT5.0-2. The inter-winding capacitance is 0.001 pF. Input: 100, 120, 200, 220, 240 VAC, 50/60 Hz. Output: 120/240 VAC.

Stock #STR2150

7.5 KVA 3 PHASE 400 HZ TOPAZ, #91907-44. Input 120/208Y. Output 208Y/120. Capacitance 0.001 pF. Noise suppression 140 dB. Dimensions: 12" high x 8-1/4" wide x 34-3/4" deep. Weight approx. 200 lbs.

Stock #STR8815

7.5 KVA 3 PHASE 400 HZ TOPAZ, #91907-45. Input 208 Delta. Output 120-208Y. Capacitance 0.005 pF. Noise suppression 126 dB. Dimensions: 12" high x 8-1/4" wide x 34-3/4" deep. Weight approx. 200 lbs.

Stock #STR8816

22.5 KVA 3 PHASE TOPAZ, #62622-01. Input: 480 VAC 60 Hz 48 amps max. Output: 208Y/120 VAC. Must be shipped freight.

Stock #STR9302

100 KVA 3 PHASE TOPAZ, #94780. Input 208. Output 120/208Y. 60 Hz. Dimensions: 47.0" high x 42" wide x 28" deep. Weight approx. 1000 lbs.

Stock #STR8817

TOPAZ (T5) SERIES

ULTRA ISOLATOR, TOPAZ (T5) SERIES

Common-mode noise attenuation 20 million to 1 (146 dB minimum). Transverse-mode noise attenuation: 1000 to 1 effective (60 dB). The following 220/240 VAC input and output will work on 120 VAC input and output at half the VA. For example, 130 VA 220/240 becomes 120 input 120 VAC output at 65 VA.

130 VA, #95113-54. Input 220/240 VAC. Output 220/240 VAC. 50/60 Hz. Dimensions: 4.9" high x 9.0" wide x 2.7" deep. Weight 6.6 lbs.

Stock #STR8803

200 VA, #95120-54. Input 220/240 VA. Output 220/440 VAC. 50/60 Hz. Dimensions: 4.9" high x 9.0" wide x 3.4" deep. Weight 9 lbs.

Stock #STR8804

450 VA, #95145-54. Input 220/240 VAC. Output 220/240 VAC. 50/60 Hz. Dimensions: 6.3" high x 10.3" wide x 3.6" deep. Weight 16 lbs.

Stock #STR8805

670 VA, #95167-53. Input 220/240 VAC. Output 220/240 VAC. 50/60 Hz. Dimensions: 6.3" high x 9.0" wide x 10.3" deep. Weight 20.6 lbs.

Stock #STR8806

RELAYS

3-32 VDC SOLID STATE RELAY

POTTER & BRUMFIELD, #EOM-4175. Chassis mount. Control input voltage 3-32 VDC. Opto-isolated. Zero crossing switching. Switch contacts: 240 VAC 40 amps normally open. Dimensions: 1-3/4" wide x 2-1/4" high x 1" deep. Has 1/4" fast connections for contacts and 3/16" fast connections for control input.

Stock #RL2052



3-32 VDC SOLID STATE RELAY

OPTO-22, #240D25. Control input voltage is 3-32 VDC. Solid state switch contacts are rated 25 amps, 240 VAC 50/60 Hz. Normally open. Relay has 4000 volt isolation between input and output voltages. Has insulated and electrically isolated heat sink base. Has sturdy screw-type terminals for electrical connections. Dimensions: 1-3/4" wide x 2-1/4" high x 1" deep.

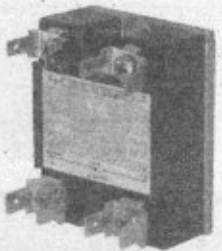
Stock #RL9801



3.8-28 VDC SOLID STATE RELAY

KODAK, #4B3989. Chassis mount. Control input voltage 3.8-28 VDC. Switch contacts: 240 VAC 10 amps normally open. Dimensions: 1-3/4" wide x 2-1/4" high x 1" deep. Has 1/4" fast connections for contacts and 3/16" fast connections for control input.

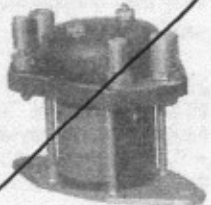
Stock #RL2101



12 VDC AIRCRAFT RELAY

ADVANCE ELECTRIC, #B5-12Y. Federal Stock, #GH-1679-12. The coil is rated 12 VDC 27.5 ohms. The contacts are SPST and are rated 50 amps. The relay connections are threaded studs which have round connecting nuts. The nuts have screwdriver slots for tightening. The base of the unit has two 7/32" dia. mounting holes. The hole centers are 2-3/4" apart. Dimensions: 3-3/8" wide x 1-7/8" deep x 2-5/16" high.

Stock #RL2051



24 VDC HALF-SIZE R RELAY

AROMAT, #RSD-24.
24 VDC 2000 ohm coil.
SPDT. Contact can switch
from 10 UA to 1 amp. High
sensitivity TTL direct drive possible. Memory function
for retainment of program integrity. Dimensions:
0.787" long x 0.395" wide x 0.556" high (including
pins).

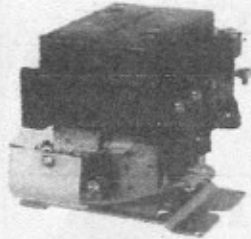
Stock #RL8706



24 TO 28 VDC 3-POLE CONTACTOR

TELEMECANIQUE,
#2160B430 JA.
3PST N.O. Contacts
rated 30 amps 240-
600 VAC inductive,
40 amps 600 VAC
resistive. Has an
auxiliary contact set consist ing of one SPST N.O. and
one SPST N.C. contact. These contacts are rated for
pilot duty. Has a dual coil rated 24-28 VDC. One coil is
6 ohms and is used for pull-in and the other coil is 270
ohms used for holding. A microswitch is built in that
automatically switches the coils from pull-in to holding
mode. This provides the relay with very fast pull-in time
and very low holding current. Has heavy-duty screw
connections for all electrical connections. Dimensions:
3-1/2" high x 3-1/8" wide x 4" deep.

Stock #RL9256



24 VDC RELAY POTTER
BRUMFIELD #KRP14DG.
3PDT. Contact rating is 10
amps 120 VAC, 1/3 hp 6
amps 250 VAC. Has an
11 pin tube style male plug
style base, with a clear
plastic case. Dims: 1-3/8"
square x 2-1/2" long,
including pins.

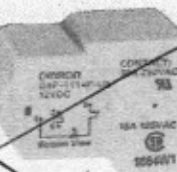
Stock #RL2501



12 VDC RELAY

OMRON, #G8P-1114-P-US.
Coil 12 VDC coil 50 ohms
nom. Contacts are SPST
N.O. and are rated 30 amps
250 VAC, 15 amps 125
VAC. Designed for printed
circuit mounting via short
straight pins located on bot-
tom of relay. Dimensions: 1-1/4" wide x 1-3/32" deep
x 1" high (including connection pins).

Stock #RL9750



20 TO 600 VAC Same specs as above except rated
75 amps. Dimensions: 4-1/4" wide x 4" high x 5"
deep.

Stock #RL9354

26.5 VDC 2-POLE DT LATCHING RELAY

LEACH, #CL-A9A-004.
26.5 VDC 600 ohm coil.
10 amp contacts. Wiring
diagram printed on relay.
Made for socket mounting
but leads could be
soldered to pins or relay
soldered directly into printed circuit board. Dimensions:
1" wide x 1-3/8" high x 1/2" deep.

Stock #RL9403



24 VDC RELAY DELTROL CON- TROLS, #20612-80. Coil 24 VDC.

Contacts are DPDT. Contacts are
rated 10 amps nom. Clear plastic
"ice cube" style case. Electrical
connections are suitable for direct
solder connections or a standard
relay socket. Dimensions: 27/32"
wide x 1-3/32" high x 1-9/16" deep
(including electrical connections).

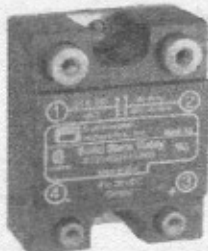
Stock #RL9700



24-280 VAC SOLID STATE RELAY

CONTINENTAL
INDUSTRIES,
#S505-OSJ440-005.
This relay is rated 40 amps
24 to 280 VAC with a control
voltage of 4 to 28 VDC.
The unit is optically isolated
and has zero voltage
switching. Isolation voltage
is 4000 volts and a 600 volt blocking rating is standard
in this series of relays. The unit has a thermally con-
ductive, electrically isolated heat sink base plate which
is provided with two mounting holes. NOTE: This
device must be fastened to a heat sink if it is to be used
at the full rated current without damage. Has screw
style terminals for all connections. Dimensions: 1-3/4"
wide x 2-7/32" high x 15/16" deep.

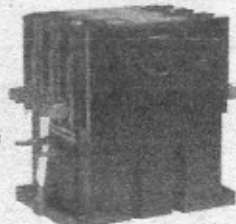
Stock #RL2200



220 VAC 3-POLE RELAY

SQUARE D, #DPA63.
Coil voltage is 208 to
240 VAC 60 Hz. Or 220
VAC 50 Hz. Contacts are
3 pole, normally open.
Contact rating is 60
amps 115 to 575 VAC.
10 hp at 220 VAC. 75
amps resistive contact rating. Max. voltage is 600 VAC.
Heavy duty screw clamp terminals plus removable
1/4" fast connect tabs for main electrical connections.
The coil has screw connections. Dims: 2-9/16" wide x
3-3/4" deep x 3-11/16" high. NOTE: Our Stock
#TR9950 could be used to power the coil of this relay
from 115 VAC if required.

Stock #RL2400



12 VAC CONTACTOR

OAK, #WU812A3-190.
4 single pole single throw
contacts, 2 normally closed
and 2 normally open. Coil
input rated at 12 VAC 50/60
Hz. Contacts are rated at 1
hp @ 120 VAC 2 hp @ 240
VAC 50/60 Hz. Electrical
connections via quick con-
nect terminals on bottom.
Dimensions: 2-1/4" high x 1-1/2" wide x 1-1/8" deep.

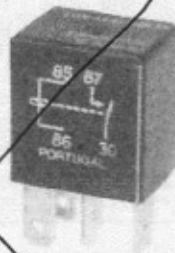
Stock #RL9450



AUTOMOTIVE TYPE RELAY

POTTER BRUMFIELD,
#VFM-11F11-K01.
Similar to VF4 series.
Contacts are SPST N.O.
Contacts rated 40 amps
nom. at 12 VDC. Coil volt-
age is 12 VDC. Coil resist-
ance is 120 ohms. Fully
enclosed in a plastic case.
Has quick connect terminals for electrical connections.
Coil connections are 3/16" quick connects. Contacts
have 1/4" quick connects. Dimensions: 0.750" max.
width x 0.6" high x 1.3-1/2" long.

Stock #RL9600



12 VDC LATCHING RELAY

CDE, #1077-692-6G.
Latching relay with 12 VDC
coil. The contacts are SPST
and are rated 3 amps 120
VAC. The relay armature
has a mechanism that
holds the relay in either the
open or closed position. Each actuation of the relay coil
alternately closes or opens the relay contact. The relay
should be operated with the contact pins, which are
located on the bottom of the relay, pointing downward
for reliable operation. The unit is designed for printed
circuit mounting. All electrical connections are via
printed circuit style pins. Dimensions: 1-7/16" wide x
3/4" thick x 1-1/2" high (including connecting pins).

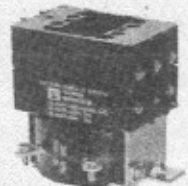
Stock #RL9853



24 VAC POWER RELAY

ROWAN, #2180FE-33EA-
11XFE2793. 6-pole.
Coil: 24 VAC, 50/60 Hz,
10 ohm. Contact: 3 poles
N.O., 3 poles N.C. Five of
the contacts are rated 15
amps, 300 VAC max. 10 amps @ 100 VDC, 15 amps
@ 50 VDC. One of the normally closed contacts is
rated for pilot duty, 1 amp @ 300 VAC max.
Dimensions: 2-3/4" high x 2-3/4" long x 2-3/8" wide.

Stock #RL8209



RELAYS

RELAYS

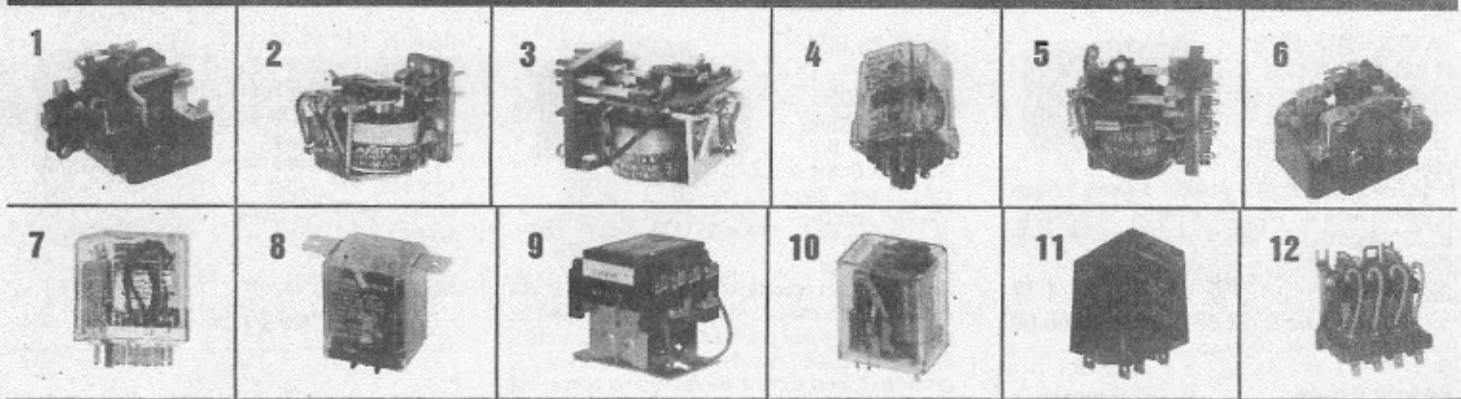


FIG. NO.	STOCK NO.	DIMENSIONS LENGTH WIDTH HEIGHT	CONTACT RATING:	CONTACTS	COIL OHMS	MODEL NO.	MANUFACTURER	6 VDC	
								FIG. NO.	STOCK NO.
13								6 VDC	
14								12 VDC	
15								24 VAC	
16								24 VDC	
17								115 VDC	
18								115 VAC	
19								120 VAC	
20								240 VAC	
21								240 VAC	
22								240 VAC	
1								240 VAC	
2								240 VAC	
3								240 VAC	
4								240 VAC	
5								240 VAC	
6								240 VAC	
7								240 VAC	
8								240 VAC	
9								240 VAC	
10								240 VAC	
11								240 VAC	
12								240 VAC	

AVAILABLE FOR ORDER

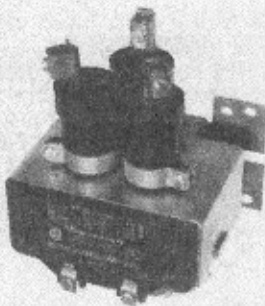
RELAYS

RELAYS

MERCURY RELAY

MAGNECRAFT, #WM35AAA-24D. 24 VDC coil. Contacts are 3PST. Contact rating 35 amps 120/480VAC resistive, 16 amps 125 VDC resistive. Dimensions: 3-3/4" wide x 4-3/4" high x 3-1/4" deep.

Stock #RL9055



MERCURY CONTACTOR

MERCURY SWITCHES, #35NO-6DTH. Coil is 6 VDC. Contacts are normally open and are rated at 35 amps 600 VAC resistive only. Has sturdy screw type terminals for electrical connections. Has a built-in steel mounting plate with holes for mounting. Dimensions: 3-5/8" max. high x 2" wide x 2" thick.

Stock #RL9551

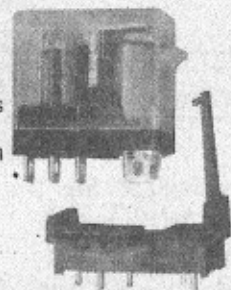


120 VAC RELAY

OMRON #G2R-1-S. Coil is rated 120 VAC. Contacts are SPDT. Contact rating is 10 amps 250 VAC or 10 amps 30 VDC. The terminals on the bottom of the relay are 1/4" quick connect style. Terminals will also accept soldered connections. Housed in a clear plastic case. This relay is compatible with our Stock #RLS2502 relay socket, which is listed below. Dimensions: 1-1/4" wide x 1-5/16" high (including terminals) x 1/2" thick. Relay socket has printed circuit style terminals. Dimensions of the relay socket: 1-5/16" wide x 1-1/2" high (including retainer clip and terminals) x 9/16" thick.

Stock #RL2502 (RELAY)

Stock #RLS2502 (SOCKET FOR RELAY)

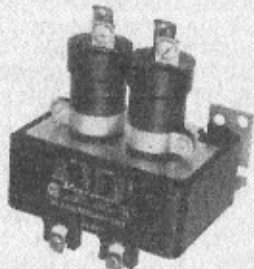


(SOCKET SOLD SEPARATELY)

MERCURY RELAY

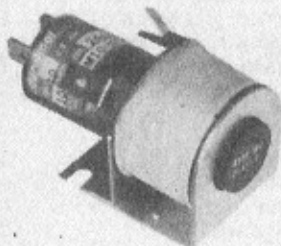
MAGNECRAFT, #M30AA-24-D. 24 VDC coil. Contacts are DPST. Contact rating 30 amps 120-480 VAC resistive, 16 amps 125 VDC resistive. Dimensions: 3-1/2" wide x 4" high x 2-3/8" deep.

Stock #RL9054



MERCURY CONTACTOR MERCURY SWITCHES, #35NO-12DTH. Coil is 12 VDC. Contacts are normally open and are rated at 35 amps 600 VAC resistive only. Has sturdy screw type terminals for electrical connections. Has a built-in steel mounting plate with holes for mounting. Dimensions: 3-5/8" max. high x 2" wide x 2" thick.

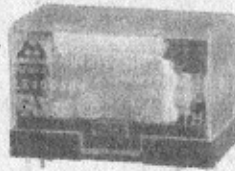
Stock #RL9552



115 VAC RELAY

AROMAT #HA1-AC115V. Coil is rated 115 VAC. Contacts are SPDT. Contact rating is 3 amps 250 VAC or 3 amps 30 VDC. The terminals on the bottom of the relay are for printed circuit mounting. Housed in a clear plastic case. Dimensions: 1-1/16" wide x 13/16" high (including terminals) x 9/16" thick.

Stock #RL2503



4PDT RELAYS, 115 VAC

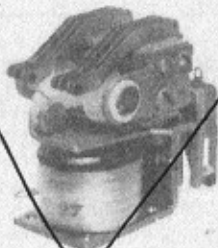
Fantastic savings on POTTER & BRUMFIELD Series KH relays! Small, rugged, clear polycarbonate encased. 4PDT contacts are gold flashed silver. Rated: 3 amps @ 28-30 VDC or 120 VAC resistive. Coil: 120 VAC, 1.2 VA, 3900 ohms. Solder lug terminals with 3X48 stud, or will plug into KH series socket. Dimensions: 13/16" wide x 1-3/32" long x 1-3/8" high.

Stock #RL5010



MERCURY RELAY DUROKOOL, #AM-B10-301. 24 VAC coil. Normally closed. Contact rated @ 10 amps @ 120-480 VAC. Has 1/4" quick connect tabs on coil and contact terminals. Dimensions: 2-1/2" high x 1-1/4" wide x 1-3/8" long.

Stock #RL9255



240 VAC SOLID STATE RELAY

GORDOS OF ARKANSAS, #G240E25. Contacts are rated 25 amps. The control input voltage is 18 to 32 VAC. Optically isolated. Has an electrically isolated thermally conductive metal base. Base has two mounting holes. The relay must be heatsink mounted if it is to be used at full rated current. Sturdy screw terminals are provided for all electrical connections. Dimensions: 2-1/4" high x 1-3/4" wide x 1" thick (including terminal screws).

Stock #RL2504



24 VDC P & B KH SERIES RELAYS Identical to #RL5010. 4PDT contacts, gold flashed silver. Rated: 3 amps @ 28-30 VDC, or 120 VAC resistive. Coil: 24 VDC, 650 ohms, 900 MW. Other specifications and sizes are as detailed above.

Stock #RL5011

120 VAC IMPULSE SEQUENCE RELAY

POTTER & BRUMFIELD, #GM-1465-1. Coil 120 VAC 50/60 Hz. 12-step impulse sequence. Steps 1, 2, 7, and 8 produce contact closures. Impulse steps 3, 4, 5, 6, 9, 10, 11, and 12 produce no contact closures. There are four sets of SPST impulse contacts plus one SPST N.O. contact set that operates once during the impulse interval. All contacts are rated 3 amps, 120 VAC. Dimensions: 2" high x 1-3/8" wide x 2" deep.

Stock #RL9211