

DERF

ELECTRONICS CORPORATION



RELAYS

100% SATISFACTION GUARANTEED

This Issue Includes:

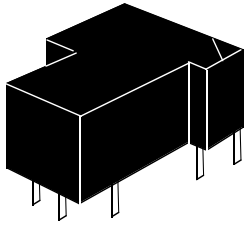
Omron, Aromat, Fujitsu, P & B, GI Clare Relays,
Dip & Mini Dip Relays, General Purpose & High
Current, I/O Modules, Time Delay, Latching
Relays, Special Purpose Relays, Solid State, and
Much More.



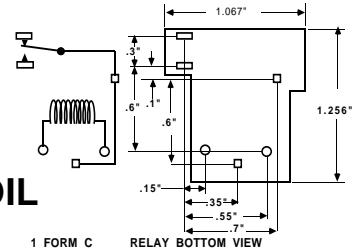
Serving The Electronics Industry Since 1946

Flyer #9601

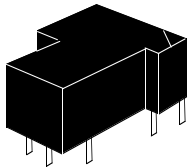
SUPER SPECIAL



MAGNECRAFT W90S5D12-12
T90 SERIES POWER RELAY
SPDT 20 AMP CONTACTS
SEALED P.C. BOARD MOUNT - 12VDC COIL



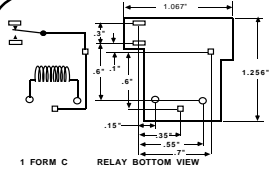
Stock # 33603 Price Ea./M .65 , Price Ea./10M .58



SEALED P.C. BOARD
SPST (N.O.) 30 AMP CONTACTS
T90 SERIES POWER RELAYS
5 TO 24 VDC COILS

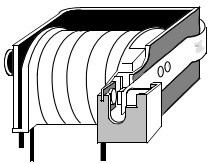
The T90 P.C. board relays are an inexpensive sealed for switching loads up to 30 amps.
Typical applications: Automotive, appliances in heating and ventilating in the air conditioning markets.
Mechanical life expectancy: 10 million operations.
Electrical life expectancy: 100,000 operations at rated loads.

MFG	MFG #	Coil Volts	Stock #	Price Ea./C /M
P&B	T90N1D125VDC	5VDC	4004	1.10 .89
HF	NT90RHASDC5	5VDC	29439	Call
AZ	AZ2100-1A-12DE	12VDC	14107	.99 .82
SCHR	ZD322-012	12VDC	27500	.95 .80
HASC	HAT901ASDC12	12VDC	33551	.85 .72
SKY	SKJBS-1A	12VDC	25044	.78 .65
P&B	T90S1D12-12	12VDC	29350	1.10 .95
OMRN	G8P-1114P-US-24	24VDC	33851	1.10 .95



SEALED P.C. BOARD
SPDT 20 AMP CONTACTS
T90 SERIES POWER RELAYS
12 TO 24 VDC COILS

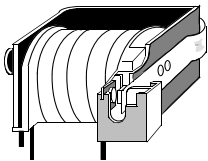
MFG	MFG #	Coil Volts	Stock #	Price Ea./C /M
MAGN	W90S5D12-12	12VDC	33603	.85 .65
HASC	HAT901CSDC24	24VDC	31647	.85 .65
CDE	CDR801C00PN	24VDC	33852	.90 .78



OPEN FRAME
SPDT (N.O.) 20 AMP CONTACTS
T90 SERIES POWER RELAYS
12 TO 48 VDC COILS

The T90 P.C. board relays are an inexpensive open frame relay for switching loads up to 20 amps
Typical applications: Appliances in heating and ventilating in the air conditioning markets.

MFG	MFG #	Coil Volts	Stock #	Price Ea./C /M
P&B	T90N5D12-12	12VDC	25265	1.10 .95
OMRN	G8P-111P-CF-US-24	24VDC	21449	.78 .68
P&B	T90N5D12-24	24VDC	35328	.95 .82
P&B	T90N5D12-48	48VDC	34964	.95 .82



OPEN FRAME
SPST 30 AMP CONTACTS
T90 SERIES POWER RELAYS
12 TO 15 VDC COILS

MFG	MFG #	Coil Volts	Stock #	Price Ea./C
SCHR	ZD122012	12VDC	32570	.85
P&B	T90N1D1215-02	15VDC	14996	.50

OVER 1 MILLION T90'S IN STOCK
IF YOU ARE USING T90'S CALL

**AROMAT ULTRA MINIATURE &
MINIATURE DIP RELAYS**



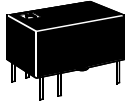
DERF ELECTRONICS CORP.
253 N Grand Ave, Poughkeepsie, NY 12603
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Call Toll Free
1-800-431-2912
(Outside NY).

E-MAIL sales@derf.com

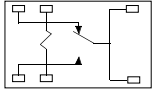
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<http://www.derf.com>



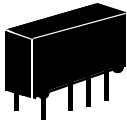
**ULTRA-MINIATURE RELAYS
SPDT 1 AMP CONTACTS
AROMAT HD1 SERIES**

Nominal operating power 280mW
Size : L=.472" W = .291" H= .327"
12mm 7.4mm 8.3mm
Weight : 1.7 gr.
Bifurcated contacts for High Reliability.



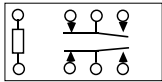
AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
HD1E-M-DC1.5V	1.5VDC	280mW	8
HD1E-M-DC3V	3VDC	280mW	32
HD1E-M-DC5V	5VDC	280mW	89
HD1E-M-DC6V	6VDC	280mW	128
HD1E-M-DC9V	9VDC	300mW	270
HD1E-M-DC12V	12VDC	280mW	515
HD1E-M-DC24V	24VDC	280mW	2060

Priced From 1.20



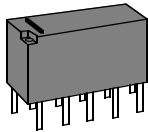
**ULTRA-THIN RELAYS
DPDT 2 AMP CONTACTS
AROMAT TX SERIES**

RELAY WITH 2,500 V SURGE
Sealed construction allows automatic washing
Size : L=.579" W = .289" H= .427"
14.7mm 7.35mm 10.85mm
Weight: Approx 2 gr.



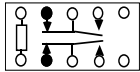
AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
TX2E-3V	3VDC	140mW	64
TX2E-4.5V	4.5VDC	140mW	145
TX2E-5V	5VDC	140mW	178
TX2E-6V	6VDC	140mW	257
TX2E-9V	9VDC	140mW	579
TX2E-12V	12VDC	140mW	1028
TX2E-24V	24VDC	200mW	2880
TX2E-48V	48VDC	260mW	8860

Priced From .99



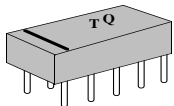
**ULTRA-SLIM RELAYS
DPDT 1 AMP CONTACTS
AROMAT TN SERIES**

Sealed construction allows automatic washing
Size : L=.551" W = .220" H= .386"
14mm 5.6mm 9.85mm
Weight: Approx 1.5 gr.
PCMT .100" x .100" grid spacing



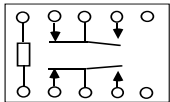
AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
TN2E-3V	3VDC	140mW	64.3
TN2E-4.5V	4.5VDC	140mW	145
TN2E-5V	5VDC	140mW	178
TN2E-6V	6VDC	140mW	257
TN2E-9V	9VDC	140mW	579
TN2E-12V	12VDC	140mW	1028
TN2E-24V	24VDC	200mW	2880

Priced From 1.10



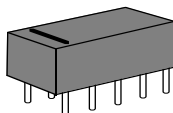
**ULTRA-SMALL LOW PROFILE
DIP RELAYS
DPDT 1 AMP CONTACTS
AROMAT TQ SERIES**

Fits standard dip socket
Sealed construction allows automatic washing
Size: L=.551" W= .354" H=.197"
14mm 9mm 5mm



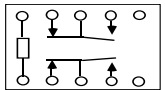
AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
TQ2E-3V	3VDC	140mW	64
TQ2E-4.5V	4.5VDC	140mW	144
TQ2E-5V	5VDC	140mW	178
TQ2E-6V	6VDC	140mW	257
TQ2E-9V	9VDC	140mW	579
TQ2E-12V	12VDC	140mW	1028
TQ2E-24V	24VDC	200mW	2880

Priced From 1.25



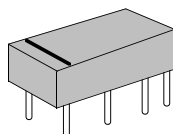
**ULTRA-SMALL DIP RELAYS
DPDT 1 AMP CONTACTS
AROMAT TF SERIES**

Very low coil power.
Fits standard dip socket
Sealed construction allows automatic washing
Size: L=.551" W = .354" H=.307"
14mm 9mm 7.8mm



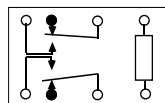
AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
TF2E-3V	3VDC	80mW	112
TF2E-4.5V	4.5VDC	80mW	253
TF2SA-4.5V SMD	4.5VDC	140mW	144
TF2E-5V	5VDC	80mW	312
TF2SA-5V SMD	5VDC	140mW	178
TF2E-6V	6VDC	80mW	450
TF2E-9V	9VDC	80mW	1012
TF2E-12V	12VDC	80mW	1800
TF2SA-12V SMD	12VDC	140mW	1028
TF2E-24V	24VDC	140mW	4100
TF2E-48V	48VDC	260mW	8860

Priced From 1.55



**HIGHLY SENSITIVE DIP RELAYS
DPDT 1 AMP CONTACTS
AROMAT DF SERIES**

Sealed construction allows automatic washing
Size : L=.630" W = .390" H= .276"
16mm 9.9mm 7.0mm
Weight: Approx 2.4 gr.
PCMT will fit standard 14 pin dip IC socket.



AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
DF2E-DC1.5V	1.5VDC	200mW	11.25
DF2E-DC3V	3VDC	200mW	45
DF2E-DC5V	5VDC	200mW	125
DF2E-DC6V	6VDC	200mW	180
DF2E-DC9V	9VDC	200mW	405
DF2E-DC12V	12VDC	200mW	720
DF2E-DC24V	24VDC	200mW	2880

Priced From 1.48

**SPECIAL APPLICATION
AROMAT RELAYS**

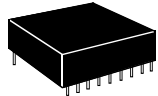


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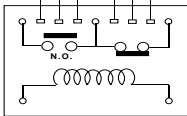
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**HIGH FREQUENCY
RF RELAYS TO 900 MHZ**

Excellent high frequency characteristics
Isolation loss: 65 dB min. (900 MHz)
Insertion loss: 1.5 dB Max. (900 MHz)
Low VSWR: 1.2 max. (250 MHz)
2.0 max. (900 MHz)



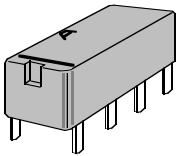
SCHEMATIC (BOTTOM VIEW)
100" GRID SPACING

Compact size: L = .984" W = .827" H = .354"
25mm 21mm 9.3mm

Typical applications:
VTR, CATV, Transceivers & test equipment.

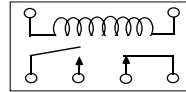
AROMAT MFG #	Coil Volts	Contacts Form	Contacts Rating	Stock #	Price Ea./C	Price Ea./M
RF1-DC9V-H1	9VDC	1 Form C	10mA @ 12VDC	4420	1.35	.95
RF1-DC12V	12VDC	1 Form C	10mA @ 12VDC	14225	Call	
RF1R-DC12V*	12VDC	1 Form C	10mA @ 24VDC	9980	1.75	1.35

* OMRON = G4Y152P-12VDC Reverse contact schematic



**I.C. DRIVEABLE RELAYS
FOR SWITCHING 8 AMP LOADS**

VERY LOW COIL POWER 240 mW
FOR SWITCHING HIGH CURRENT LOADS.
POLARIZED COIL
High shock and vibration resistant.

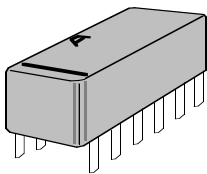


1FORM A 1 FORM B

Size: L = 1.220" W = .551" H = .433"
31mm 14mm 11.3mm

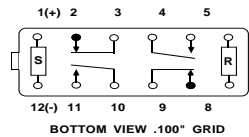
AROMAT MFG #	Coil Volts	Contacts	Stock #	Price Ea./C
ST1E-DC5V	5VDC	1 Form A / 1 Form B	13686	3.25
ST1E-L2-DC5V	5VDC	1 Form A / 1 Form B	2171	2.75
ST1E-DC12V	12VDC	1 Form A / 1 Form B	7945	3.25

(*) =Dual Coil Latching . (see page 18 for definition of latching relays)



**4 AMP HIGH DENSITY
POLARIZED SENSITIVE
2 COIL LATCHING RELAY**

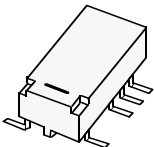
100mW pick-up/200mW nominal operating power.
Wide switching range from 100uA to 4 Amps.
Dual-in line package .
Size: L = 1.102" W = .472" H = .409"
28mm 12mm 10.4mm



BOTTOM VIEW .100" GRID

AROMAT Equivalent S2EB-L2-12V

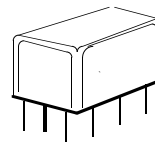
MFG #	Coils	Contacts	Stock #	Price
S2-L2-12V	12VDC	2 formA/2 form B	32691	3.75



**HIGH CAPACITY
MINIATURE RELAY
2 AMP DPDT CONTACTS**

High surge voltage and high break down voltage.
Surface Mount size .591" x .291" x .323"
UL & CSA listed.

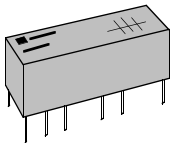
AROMAT MFG #	Coil	Contact Rating	Stock #	Price E/M
TX2SA-12V	12VDC	DPDT 2Amp	33653	1.26



**HALF SIZE SPST
LATCHING RELAY
AROMAT R1A-SL2D-5V**

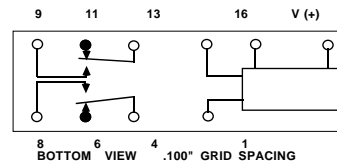
Metal shield, Sensitive Dual 5 vdc coils,
72 to 133 mW of coil power.
Size: L = .787" W = .394" H = .394"

Contacts * 1 form A switching down to 10 Micro Amps
High Speed Switching, TTL Direct drive possible.
Stock # 17690 Price Ea./C 1.50

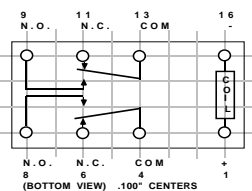


**POWER SAVING DPDT RELAY
WITH BUILT-IN I.C.**

Input Signal Processing and Amplification.
High Speed, High Sensitivity & Reliability.
Ultra Low operating power: (1/450 compared with polarized nonlatching relays). Wider operating voltage range.
1500 VRMS Isolation between coil & contacts.
Size: L = 1.303" W = .390 H = .386"
33.1mm 9.9mm 9.8mm



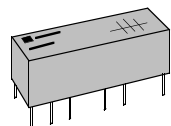
AROMAT MFG #	Coil	Contacts Rating	Stock #	Price
DS2-C-12V	12VDC	DPDT 2 Amp	12094	Call



**TELECOM DIP RELAY
DPDT - 2 AMP CONTACTS
DSB2E SERIES**

4000V Breakdown
Bifurcated contacts.
Brown sealed, Polarized coil.
Size: L = .787" W = .390" H = .366"
Fits 16 pin dip socket

AROMAT MFG #	Coil Volts	Coil Power	Stock #	Price Ea./M
DSB2E-S-DC5V	5VDC	360mW	25249	Call

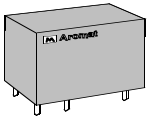


**SMART RELAY
I.C. BUILT-IN RELAY FOR INTELLIGENT
CONTROL INTERFACE**

Signal Processing IC for Intelligent control.
Input signal processing and amplification.

Negative logic operation, 100 micro-second input pulse is required to activate the contacts.
Noise and Bounce Cancelling circuits. Power Failure protection.
Threshold Levels can be externally set.

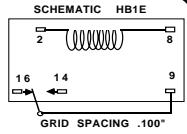
AROMAT MFG #	Input Volts / power	Contacts Form * Rating	Stock #	Price
ST2-C3-5V	5V Logic 200ua	2 Form A 8 A	6000	Call



SENSITIVE SUBMINIATURE RELAYS HB1E SERIES SPDT 2 AMP CONTACTS

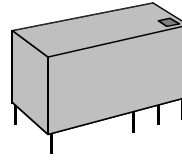
Size : L = .787" W = .433" H = .642"
20mm 11mm 16.3mm

Simple mechanism for stable quality. Plugs into 16-pin dip socket.



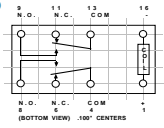
AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
HB1E-DC3V	3VDC	360mW	25
HB1E-DC5V	5VDC	360mW	69
HB1E-DC6V	6VDC	360mW	100
HB1E-DC9V	9VDC	360mW	225
HB1E-DC12V	12VDC	360mW	400
HB1E-DC18V	18VDC		
HB1E-DC24V	24VDC	360mW	1600
HB1E-DC48V	48VDC	384mW	6000

Priced From .78



MINIATURE DIP RELAYS DPDT - 2 AMP CONTACTS DS2 SERIES

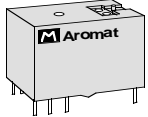
1500V FCC Surge satisfied
Bifurcated contacts.
Amber sealed



Size: L = .787" W = .390" H = .366" Fits 16 pin dip socket

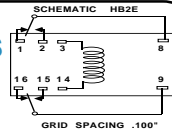
AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
DS2E-S-DC1.5V	1.5VDC	200mW	11.3
DS2E-M-DC1.5V	1.5VDC	400mW	5.63
DS2E-S-DC3V	3VDC	200mW	45
DS2E-M-DC3V	3VDC	400mW	22.5
DS2E-S-DC5V	5VDC	200mW	125
DS2E-M-DC5V	5VDC	400mW	62.5
DS2E-S-DC6V	6VDC	200mW	180
DS2E-M-DC6V	6VDC	400mW	90
DS2E-S-DC9V	9VDC	200mW	405
DS2E-M-DC9V	9VDC	400mW	203
DS2E-S-DC12V	12VDC	200mW	720
DS2E-M-DC12V	12VDC	400mW	360
DS2E-S-DC24V	24VDC	200mW	2880
DS2E-M-DC24V	24VDC	400mW	1440
DS2E-S-DV48V	48VDC	200mW	11520
DS2E-M-DC48V	48VDC	400mW	5760

Priced From .95



SUBMINIATURE RELAYS HB2E SERIES DPDT 2 AMP CONTACTS

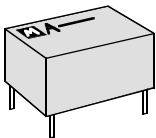
Size : L = .787" W = .433" H = .642"
20mm 11mm 16.3mm



AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
HB2E-DC3V	3VDC	576mW	15.6
HB2E-DC5V	5VDC	576mW	43.4
HB2E-DC6V	6VDC	576mW	62.5
HB2E-DC9C	9VDC	623mW	130
HB2E-DC12V	12VDC	576mW	250
HB2E-DC24V	24VDC	576mW	1000
HB2E-DC48V	48VDC	576mW	4000

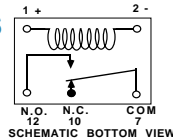
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IF YOU DON'T SEE YOUR AROMAT RELAY REQUIREMENT LISTED PLEASE CALL



MINIATURE DIP RELAYS SPDT - 2 AMP CONTACTS DS1 SERIES

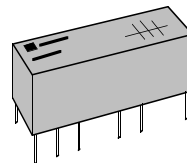
1500V FCC Surge satisfied
Bifurcated contacts.
Amber sealed



Size: L = .599" W = .390" H = .366" Fits 14 pin dip socket

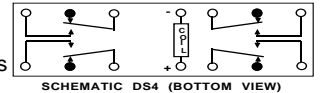
AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
DS1E-S-DC1.5V	1.5VDC	200mW	11
DS1E-M-DC1.5V	1.5VDC	400mW	5.6
DS1E-S-DC3V	3VDC	200mW	45
DS1E-M-DC3V	3VDC	400mW	22
DS1E-S-DC5V	5VDC	200mW	125
DS1E-M-DC5V	5VDC	400mW	62
DS1E-S-DC6V	6VDC	200mW	180
DS1E-S-DC6V	6VDC	400mW	90
DS1E-S-DC9V	9VDC	200mW	405
DS1E-M-DC9V	9VDC	400mW	203
DS1E-S-DC12V	12VDC	200mW	720
DS1E-S-DC12V	12VDC	400mW	360
DS1E-S-DC24V	24VDC	200mW	2880
DS1E-M-DC24V	24VDC	400mW	1440
DS1E-S-DC48V	48VDC	200mW	11520
DS1E-M-DC48V	48VDC	400mW	5760

Priced From 1.35



MINIATURE DIP RELAYS 4PDT - 2 AMP CONTACTS DS4 SERIES

1500V FCC Surge
Bifurcated contacts
Amber sealed.

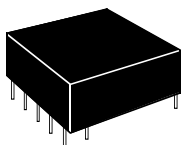


Size: L = 1.387" W = .390" H = .366" Fits 2 sets 14 pin dip socket

AROMAT MFG #	Coil Volts	Coil Power	Coil ohms
DS4E-S-DC1.5V	1.5VDC	200mW	11
DS4E-M-DC1.5V	1.5VDC	400mW	5.6
DS4E-S-DC3V	3VDC	200mW	45
DS4E-M-DC3V	3VDC	400mW	22
DS4E-S-DC5V	5VDC	200mW	125
DS4E-M-DC5V	5VDC	400mW	62
DS4E-S-DC5V-R(rev.pol.)	5VDC	200mW	125
DS4E-S-DC6V	6VDC	200mW	180
DS4E-M-DC6V	6VDC	400mW	90
DS4E-S-DC9V	9VDC	200mW	405
DS4E-M-DC9V	9VDC	400mW	203
DS4E-S-DC12V	12VDC	200mW	720
DS4E-M-DC12V	12VDC	400mW	360
DS4E-S-DC24V	24VDC	200mW	2880
DS4E-M-DC24V	24VDC	400mW	1440
DS4E-S-DC48V	48VDC	200mW	11520
DS4E-M-DC48V	48VDC	400mW	6760

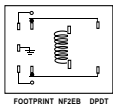
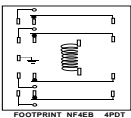
Priced From 2.95

AROMAT LATCHING RELAYS SEE PAGE 18



**FLAT PACK RELAYS
2 AMP CONTACTS
AROMAT NFEB SERIES**

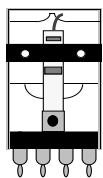
VERY LOW OPERATING POWER
LOW PROFILE - .402" HIGH, PC mount
LONG LIFE - HIGH RELIABILITY



For other MFGs of flat pack relays see page 21
Size: NF2 L= 1.189"(30.2mm) x W= .787" (20.0mm) x H= .325" (10.8mm)
Size: NF4 L= 1.189"(30.2mm) x W= .969" (24.6mm) x H= .325" (10.8mm)

MFG #	Coil Volts	Coil ohms	Coil Power	Contacts	Price Ea./M
NF2EB-5V	5VDC	90	278mW	DPDT	3.25
NF4EB-5V	5VDC	53	472mW	4PDT	2.50
NF2EB-6V	6VDC	137	260mW	DPDT	1.75
NF4EB-6V	6VDC	90	400mW	4PDT	call
NF2EB-12V	12 VDC	500	290mW	DPDT	2.80
NF4EB-12V	12VDC	330	440mW	4PDT	call
NF2EB-24V	24 VDC	1200	290mW	DPDT	2.25
NF4EB-24V	24VDC	2000	480mW	4PDT	2.70
NF2EB-48V	48 VDC	7000	330mW	DPDT	1.50
NF4EB-48V	48VDC	42000	550mW	4PDT	2.70

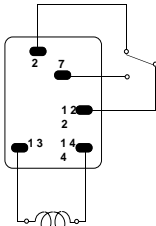
Note the above flat pack relays also available in unsealed version.



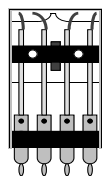
**SPDT COVERED RELAY
10 AMP CONTACTS
24VDC 650 ohm Coil
AROMAT HC SERIES**

Terminal arrangement PCMount

Size: L = .1.071" W = .819" H = .1.386"



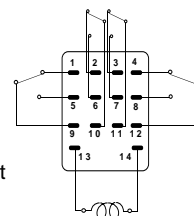
HC1-P-DC24V Stock # 4944 Price Ea./C 1.00 Ea./M .75



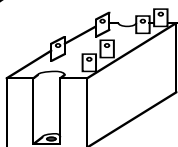
**4PDT SEALED RELAY
5 AMP CONTACTS and
24VDC 650 ohm Coil
AROMAT HC SERIES**

Terminal arrangement PCMount

Size: L = .1.071" W = .819" H = .1.386"



HC4E-P-DC24V Stock # 21147 Price Ea./C 2.25 Ea./M 1.75



**30 AMP LATCHING
SPST (NO) CONTACTS
POWER RELAY**

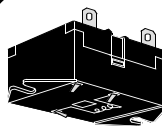
(see page 18 for definition of latching relays)

Dual 12VDC Polarized 75 ohm coils
Contacts Rating 30 Amp @ 277 vac 2 HP @ 250 vac 1HP @ 125vac
Size: 1 15/16" x 1 1/4" x 1 3/4"

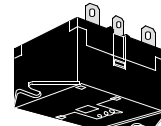
Mounting centers 1 9/16" Terminations 1/4" spade lugs

MFG Matsushita # JH1a-L2-DC12V

Stock # 17781 Price Ea. 3.00 Ea./C 1.95



**25 AMP COMPACT
POWER RELAYS
High Switching Capacity**



Suitable for air conditioners, dish washers, copiers, vending machines & dryers.
Two JA types: **TM** for direct chassis mounting & 1/4" quick connect terminals.
TMP for PC board mounting & 1/4" quick connect terminals.

AROMAT MFG #	Coil Volts	Contacts Form*	Rating	Stock #	Price Ea./C	Ea./M
JA1a-TM-AC12VP	12VAC	1 Form A	25 A @ 250 VAC	9379	1.25	.95
JA1a-TMP-DC12VP	12VDC	1 Form A	25 A @ 250 VAC	5433	1.25	.95
JA1a-TM-DC24V-P	24VDC	1 Form A	25 A @ 250 VAC	35205	1.25	.95

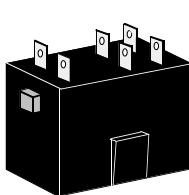
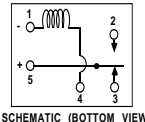


**SUBMINIATURE RELAY
SPDT - 3 AMP CONTACTS
HA1 SERIES**

Sensitive coil very low operating power 8 mA
Compact simple construction

Size: L = 1.043" W = .559" H = .697"

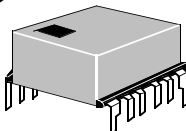
AROMAT MFG #	Coil Volts	Amber Sealed	Stock #	Price Ea./M
HA1E-AC115V	115VAC	Yes	34082	3.50



**20 AMP AROMAT HEAVY DUTY
POWER RELAY, 120VAC COIL
2 FORM Z CONTACTS**

Typical applications:
Home appliances, office equipment, power devices,
automatic vending machines, HVAC systems.
Size: L=2.047" x W=1.181" x H=2.224
Terminations .25" Quick Connects

MFG #	Stock #	Price Ea./M
VC20-2a-AC120V	34328	4.95

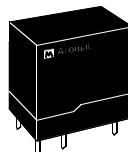


**2 & 4 POLE
FLATPACK RELAYS
AROMAT NC SERIES**

Bifurcated contacts for high reliability
Low operating power
Typical Applications: Tape recorders, Video recorders,
Telecommunications & Computer peripherals.

AROMAT MFG #	Coil Volts	Coil Power	Contacts	Stock #	Price Ea./C
NC2ED-JPL2-DC5V	5VDC*	800mW	DPDT 3Amp	14531	Call
NC2ED-JPL2=DC12V12VDC*	12VDC*	800mW	DPDT 3Amp	23133	Call
NC4-JPL2-DC12V	12VDC*	1600mW	4PDT 4Amp	5866	Call

(*) = Dual Coil Latching. (see page 18 for definition of latching relays)



**15 AMP DPST PCMT
COMPACT POWER RELAY
High Switching Capacity**

Size: L= 1.181" x W =.748" x H =1.197"

Suitable for copiers & vending machines.

AROMAT MFG #	Coil Volts	Contact Form	Rating	Stock #	Price Ea./M
JC2aJ-DC12V	12VDC	2 Form A	15 A	2645	1.25

RZ STYLE RELAYS



DERF ELECTRONICS CORP.
253 N Grand Ave, Poughkeepsie, NY 12603
Phone (845) 790-9900 • Fax (845) 790 9915

Call Toll Free
1-800-431-2912
(Outside NY)

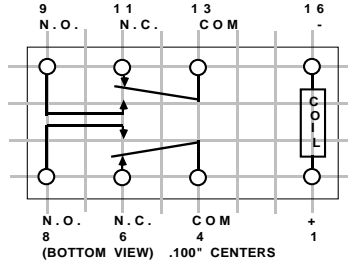
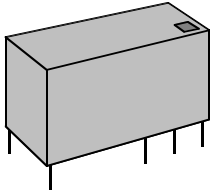
ELECTRONICS CORPORATION

E-MAIL sales@derf.com

Visit our Web Site <http://www.derf.com>

MINI DIP DPDT RELAYS CONTACT RATING FROM 1 TO 2 AMPS

Size : L = .80", H = .415", W = .40"



Listing of equal foot print and function are the same with respect to pinouts. Coil sensitivity, Resistance, Polarized coil must be specified.

MFG	MFG Series	Coil VDC	Coil mW	Coil Ohms	Contact Current	Price Ea./M
AROM	DS2E-M-DC5V	5 (P)	400	62	2A	
AROM	DS2E-S-DC5V	5 (P)	200	125	2A	
AROM	DS2E-M-DC6V	6(P)	400	90	2A	
AROM	DS2E-S-DC6V	6(P)	200	180	2A	
AROM	DS2E-M-DC9V	9(P)	400	203	2A	
AROM	DS2E-S-DC9V	9(P)	200	405	2A	
AROM	DS2E-M-DC12V	12(P)	400	360	2A	
AROM	DS2E-S-DC12V	12(P)	200	720	2A	
AROM	DS2E-M-DC24V	24(P)	400	1440	2A	
AROM	DS2E-S-DC24V	24(P)	200	2880	2A	
AROM	DS2E-M-DC48V	48(P)	400	5760	2A	
AROM	DS2E-S-DC48V	48(P)	200	11520	2A	
ALCA	MT2-12V	12	150	950	1A	.89
AZ	AZ830-2C-5DE	5(P)	400	62	2A	1.45
AZ	AZ830-2C-12DSE	12(P)	200	720	2A	1.45
AZ	AZ830-2C-48DE	48(P)	400	5760	2A	1.45
CII	MDS05	5	200	170	2A	.95
CLAR	LM12C00	6	N/A	70	1A	.82
CLAR	LM12E00	24	N/A	1100	1A	.82
CLAR	LM14E00	24	400	1100	2A	.98
CLAR	LM44A00	3	400	58	2A	.98
CLAR	LM44B00	5	400	62	2A	.98
CLAR	LM44C00	6	400	240	2A	.98
CLAR	LM44F00	48	400	7680	2A	.98
CLAR	LX200B00	5	200	125	2A	.85
CLAR	LX200C00	6	200	180	2A	.85
CLAR	LX200E00	24	200	2880	2A	.85
CLAR	LX200F00	48	200	11520	2A	.85
FJTS	FBR244ND003/02C	3	500	18	2A	.98
FJTS	FBR244ND005/02C	5	500	50	2A	.98
FJTS	FBR244ND006/02C	6	500	72	2A	.98
FJTS	FBR244ND009/02C	9	500	162	2A	.98
FJTS	FBR244ND012/02C	12	500	290	2A	.98
FJTS	FBR244ND024/02C	24	580	1150	2A	.98
FJTS	FBR244ND048/02C	48	580	4000	2A	.98
GRDN	1495DC5V	5	500	45	1A	.87
HASC	HAS112S9V	9	560	140	1.25A	.92
HASC	HAS112S12V	12	560	280	1.25A	.92
HASC	HAS112S24V	24	560	1070	2A	.92
IDEC	RW22G-5VDC	5(P)	200	125	2A	.75
ITT	RZ-5W	5	560	45	2A	.95
ITT	RZ-6	6	550	66	2A	.75
ITT	RZ-48-C	48	580	4000	2A	.95
MDTX	190-22E100	5	550	45	2A	.89

**AROMAT
Priced
From
.95
CALL**

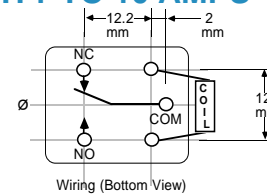
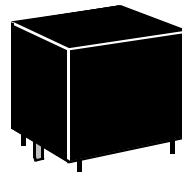
MFG	MFG Series	Coil VDC	Coil mW	Coil Ohms	Contact Current	Price Ea./M
NEC	MR62-5SR	5	550	42	2A	1.09
NEC	MR62-5UKSRY	5	400	65	2A	1.30
NEC	MR62-6SR	6	550	90	2A	1.09
NEC	MR6212USRY	12	400	360	2A	1.30
NEC	MR62-24USR	24	550	1350	2A	1.25
NEC	MR62-48FSR	48	550	5360	2A	1.25
NEC	MR602-5SR	5(P)	200	125	2A	1.18
NEC	MR602-12USR	12(P)	200	720	2A	1.18
NEC	MR602-24USRY	24(P)	200	2800	2A	1.18
OMRN	G2V-234P-US5VDC	5	380	69	1A	1.18
OMRN	G2VN-284P-US12V	12	360	400	1A	1.32
OMRN	G5V-2-DC12	12	500	288	2A	1.25
OMRN	G6A-234P-4.5VDC	4.5(P)	405	100	2A	1.00
OMRN	G6A-2-UA-006000	12(P)	200	900	2A	.95
OMRN	G6A-274PST40U	5(P)	400	62	2A	1.15
OMRN	G6A-234P-ST-US	9(P)	405	200	2A	1.15
OMRN	G6A-274P-ST15US	48(P)	150	15000	2A	1.00
OMRN	G5V-2-DC24	24	150	1152	2A	1.15
OMRN	G2V-234P-US48VDC	48(P)	150	15000	2A	.90
OMRN	G6A-2D34P-ST-US†	48(P)	220	9750	2A	.90
PED	51SB09T	9	200	405	1A	.90
PED	51SB12T	12	200	710	1A	.98
P&B	T80E11DCT-14-5V	5(P)	400	62	2A	1.25
P&B	T82N11D114-05	5	550	45	1.25A	1.15
P&B	T82N11D113-06	6	545	66	2A	1.25
P&B	T82N11D114-09	9	579	140	1.25A	1.15
P&B	T82N11D113-12	12	514	280	2A	1.35
P&B	T85N11D114-05	5	150	167	1.25A	1.15
P&B	T85N11D114-12	12	150	960	1.25A	1.15
SIEM	V23042	12(P)	250	600	2A	1.20
TAKA	RA4.5W-K	4.5(P)	200	135	2A	.95
TAKA	RY-5WZ-K-UL	5	560	45	2A	.95
TAKA	RA12W-K	12(P)	200	900	2A	.95
TAKA	RY24W-0H-K	24	200	2400	2A	.95

(P) = Polarized coil

(†) Contact MBB (make before-break)

SEE PAGE 18 FOR LATCHING SINGLE & DUAL RZ STYLE RELAYS.

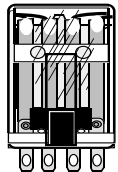
AROMAT JS SERIES ICE CUBE SIZE RELAYS SPDT HIGH CONTACT CAPACITY TO 10 AMPS



Size: L = .866" x W = .630" x H = .630"

AROMAT MFG #	Coil Volts	Coil Ohms	Coil Power	Contact Form	Price Ea./M
JS1E-5V	5VDC	70	360mW	SPDT	.72
JS1E-6V	6VDC	100	360mW	SPDT	call
JS1E-9V	9VDC	225	360mW	SPDT	.68
JS1E-12V	12VDC	400	360mW	SPDT	.68
JS1E-24V	24VDC	1600	360mW	SPDT	.65
JS1E-48V	48VDC	6400	360mW	SPDT	call

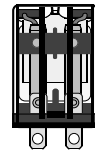
ALSO AVAILABLE IN FORM A CONTACT (JS1a)



**GENERAL PURPOSE
KHU TYPE
MULTI- CONTACT RELAYS**

Size : Just over one cubic inch.
Transparent Polycarbonatecover.

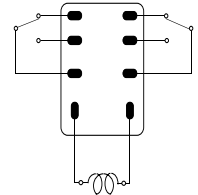
MFG*	MFG #	Coil		Contacts			Stock #	Price Ea./C
		Volts	Form	Rating	Term.	Stock #		
FJTS	FRL263D006/01CS	6VDC	SPDT	5A	Lug	3093	.75	
FJTS	FRL264D006/02CV	6VDC	DPDT	5A	PC	13488	1.00	
TAKA	MAT4B-AR6VDC	6VDC	4PDT	3A	PC	35218	.95	
FJTS	FRL263D006/04CS *	6VDC	4PDT	3A	Lug	12514	2.25	
MAGN	W78PCX-1	6VDC	4PDT	3A	PC	13529	2.25	
MAGN	W78CSX-8	6VDC	4PDT	3A	W/E	13534	2.25	
FJTS	FRL264D006/04CV	6VDC	4PDT	3A	PC	15378	1.70	
MAGN	W78ARPLY-2	12VAC	DPDT	3A	PC	13531	1.50	
FJTS	FRL263A012/04CS	12VAC	4PDT	3A	W/E	2714	1.25	
FJTS	FRL264A012/04CV *	12VAC	4PDT	3A	PC	12512	1.80	
MAGN	W78APCX	12VAC	4PDT	3A	PC	13474	1.80	
MDTX	158-22B200	12VDC	DPDT	10A	PC	31847	.95	
FJTS	FRL263D012/03CS	12VDC	3PDT	5A	Lug	20966	.50	
FJTS	FRL264D018/04CV	18VDC	4PDT	5A	PC	13516	.75	
LYNX	SA205P	24VAC	DPDT	5A	PC	30153	call	
OMRN	MY2N-24VAC	24VAC	DPDT	5A	L/LED	33538	1.50	
OMRN	MY3-02	24VDC	3PDT	5A	PC	33107	1.50	
FJTS	FRL264A024/03CS	24VAC	3PDT	5A	PC	13470	1.25	
MAGN	W78ATPCX-3	24VAC	3PDT	3A	PC	13475	1.25	
BBCK	KHU4C24AC	24VAC	4PDT	3A	Lug	3578	2.50	
MAGN	W78ATPCX-3	24VAC	4PDT	3A	PC	13479	2.25	
FJTS	FRL264A024/04CT	24VAC	4PDT	1A	PC	13505	2.50	
FJTS	FRL264D024/01CS	24VDC	SPDT	5A	PC	13519	1.00	
OMRN	MY2 UA-007040DC24	24VDC(D)	DPDT		Lug	35331	1.35	
P&B	KH50001	24VDC	DPDT	3A	Lug	6121	1.50	
FJTS	FRL264D024/02CK	24VDC	DPDT	5A	PC	32049	1.35	
FJTS	FRL263D024/02CV	24VDC	DPDT	7A	Lug	13477	1.65	
FJTS	FRL264D024/02CV	24VDC	DPDT	7A	PC	13507	1.75	
SCHR	RA4D124	24VDC	4PDT	3A	Lug	35370	2.00	
STDN	C281XDX103	24VDC	4PDT	3A	PC	35405	2.00	
SGMA	67REV4-24DC-SCO	24VDC	4PDT	5A	PC	35385	2.25	
GRDN	1315S-4C-24VDC (S)	24VDC	4PDT	5A	Lug	5554	2.50	
GRDN	1315P-4C024DC	24VDC	4PDT	5A	PC	35377	2.20	
FJTS	FRL264D024/04CL	24VDC	4PDT	3A	PC	13491	1.75	
MDTX	156-14Q2B0	24VAC	4PDT	5A	Lug	31208	1.75	
FJTS	FRL263A048/04CS	48VAC	4PDT	3A	Lug	20965	.50	
FJTS	FRL263A048/04CV	48VAC	4PDT	5A	W/E	7338	1.62	
MDTX	158-22D2001	48VDC	DPDT	10A	PC	5301	.95	
FJTS	FRL263D048/02CV	48VDC	DPDT	5A	Lug	12509	1.50	
FJTS	FRL264D110/03CS	110VDC	3PDT	5A	PC	13469	1.25	
P&B	KHX17D18110	110VDC	4PDT	3A	Lug	9984	3.00	
TEC	AZ1309	110VDC	4PDT	3A	Lug	9991	2.75	
AROM	HC4D-DC110V	110VDC	4PDT	3A	Lug	9992	2.75	
MAGN	W78CSX-6	110VDC	4PDT	3A	Lug	13532	3.00	
AROM	HC2-P-AC115V	115VAC	DPDT	3A	PC	35425	1.25	
FJTS	FRL263A120/02CV	120VAC	DPDT	5A	W/E	13535	1.57	
FJTS	FRL264A120/02CV	120VAC	DPDT	5A	PC	13485	1.00	
MDTX	156-14T300	120VAC	4PDT	2A	Lug	35371	2.50	
FJTS	FRL264A120/04CS	120VAC	4PDT	3A	PC	3233	1.75	
ITT	ITT4B-R	120VAC	4PDT	3A	PC	10090	2.75	
OMRN	MY4N-110/120VAC	120VAC	4PDT	5A	PC/led	35081	3.00	
FJTS	FRL264A220/03CS	220VAC	3PDT	5A	PC	13504	1.00	
FJTS	FRL263A240/04C	240VAC	4PDT	5A	W/E	2979	2.50	
FJTS	FRL263A240/04CV	240VAC	4PDT	5A	Lug	25322	2.25	
ITT	ITT4ZGR	220VAC	4PDT	3A	Lug	6113	2.50	



**HIGH CURRENT
GENERAL PURPOSE
POWER RELAYS =
to P&B K10 SERIES**

10 - 15 AMP

Rugged construction and sturdy, Dust covers
Size : 1 1/16" x 13/16" x 1 3/8"



MFG	MFG #	Coil		Contacts			Stock #	Price Ea./M
		Volts	Form	Rating	Term.	Stock #		
FJTS	FRL264D006/02AK	6VDC	DPST	15	PC	13486	.75	
FJTS	FRL263D00/01CK	6VDC	SPDT	15	Lug	3164	1.00	
FJTS	FRL264D006/01AK	6VDC	SPST	15	PC	13483	.75	
FJTS	FRL261A012/01CK	12VAC	SPDT	15	Ears	7487	1.25	
GRDN	1390PS12AC	12VAC	DPDT	13	PC	5642	2.25	
EGLS	14Q2CD012	12VDC	DPDT	10	Lug	35422	2.00	
MAGN	W78RCSX-7	12VDC	DPDT	10	Lug	13524	1.75	
TAKA	MAT2B-BH	12VDC	DPDT	10	PC	34619	2.25	
OMRN	LY2-0-12DC	12VDC	DPDT	10	PC	35552	1.90	
GRDN	1390PS24AC(S)	24VAC	DPDT	13	PC	5654	2.00	
FJTS	FRL264D024/01CK	24VDC	SPDT	15	PC	13500	1.25	
FJTS	FRL263W024/01CK	24VDC	SPDT	15	stud/Lug	15077	1.25	
AROM	HL2-DC24V	24VDC	DPDT	10	Lug	35656	1.50	
AZ	AZ6P-2CH24D	24VDC	DPDT	10	PC	8905	1.95	
FJTS	FRL264D024/02CK	24VDC	DPDT	10	PC	32049	2.25	
GRDN	1395P-2C-24D	24VDC	DPDT	10	PC	21349	1.95	
OMRN	LY2-0-24VDC	24VDC	DPDT	10	PC	33529	1.95	
FJTS	FRL264D048/02CK	48VDC	DPDT	10	PC	15072	1.75	
FJTS	FRL264A100/02CK	100VAC	DPDT	10	PC/E	15084	1.50	
FJTS	FRL263D110/02CK	110VDC	DPDT	10	W/E	15066	1.50	
FJTS	FRL264D110/01CK	110VDC	SPDT	15	PC	13525	.95	
FJTS	FRL263D110/02CK	110VDC	DPDT	10	Lug	13476	1.80	
FJTS	FRL261A120/01A	120VAC	SPST	15	W/E	7471	.95	
FJTS	FRL263A120/01CK	120VAC	SPDT	15	Lug	13481	1.50	
OMRN	LY1-120AC	120VAC	SPDT	10	Lug	35042	1.25	
GRDN	1390P-2C-120AC	120VAC	DPDT	13	PC	18351	1.50	
ORIG	SRET-206AP4	120VAC	DPDT	15	PC	25279	1.95	
GRDN	1390PS120AC	120VAC	DPDT	13	PC †	5160	2.95	
FJTS	FRL263A120/01CR	120VAC	DPDT	10	Lug	7795	1.50	
OMRN	LY2-VN-220VAC††	220VAC	DPDT	10	Lug	33905	1.50	
OMRN	LY2US22C240VAC	240VAC	DPDT	10	Lug	6526	1.75	
P&B	K10P11A55-240V	240VAC	DPDT	10	PC	34651	2.25	
FJTS	FRL263A240/02CK	240VAC	DPDT	10	Lug	23237	2.25	

(*) = Push to test button. LUG =Solder or plug-in terminal.

PC = Printed circuit terminals. R/A= Right angle bracket.

W/E = Solder lug with ears. (S) = Sealed. L/LED = Lug W/ LED

(D)= with diode across coil, (†)= sealed, PC/E = PCMT with ears

(††) = VDE approved 7 Amps..

OCTAL BASE PLUG-IN & KUP TYPE RELAYS

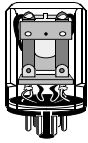


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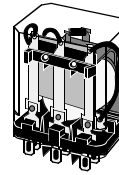


OCTAL BASE PLUG-IN RELAYS P&B KRP or Equal

ENCLOSED IN A CLEAR POLYCARBONATE DUST COVER

MFG	MFG #	Coil Volts	Contacts Form	Rating	Stock #	Price Ea./C
OMRN	MK2P-S	6VAC†	DPDT 10A	33550	1.00	
P&B	KRPA-11AG-12	12VAC	DPDT 10A	34687	1.00	
FJTS	FRL256A12/02CS	12 VAC	DPDT 10A	12448	3.75	
OMRN	MK3EP-UA-AC12	12VAC	3PDT 10A	18749	1.50	
SGMA	50R023513	12 VDC	SPDT 10A	5785	2.50	
STDN	A314XB48P	12 VDC	DPDT 10A	3111	3.25	
P&B	KRP11DG12	12 VDC	DPDT 10A	5572	4.25	
MAGN	W88CPX-5	12 VDC	DPDT 10A	5757	3.25	
FJTS	FRL256D012/02C	12 VDC	DPDT 10A	12437	3.50	
ITT	RM833212	12VDC	3PDT 10A	35553	2.95	
OMRN	MK2PN-S	24VAC*	DPDT 10A	33554	2.95	
STDN	A314XB48PL	24 VAC	DPDT 10A	3127	3.50	
SGMA	50R0227452	24 VAC	DPDT 10A	5779	3.50	
ITT	RM842124	24 VAC	DPDT 10A	5951	2.75	
FJTS	FRL256A024/02CS	24 VAC	DPDT 10A	12441	3.50	
MAGN	W88CPX-3	24VDC	SPDT 10A	22454	1.00	
FJTS	FRL256D024/01CS	24VDC	SPDT 10A	12440	1.00	
STDN	A314XC48P	24 VDC	DPDT 10A	3112	3.50	
FJTS	FRL256D024/03CS	24 VDC	3PDT 10A	12449	3.95	
FJTS	FRL256D024/03CS	48 VAC	3PDT 10A	12446	2.00	
ITT	RM832148N	48 VDC	DPDT 10A	5969	2.70	
SYRC	SKP14DG48VDC	48 VDC	3PDT 10A	5775	3.60	
FJTS	FRL256D048/03CS	48 VDC	3PDT 10A	12436	3.50	
ISKR	PR58B	110VDC	DPDT 10A	8126	1.95	
STDN	A314XB48P	110 VDC	DPDT 10A	3113	195	
FJTS	FRL256D110/02CS	110 VDC	DPDT 10A	12447	2.70	
P&B	KR57193	110 VDC	DPDT 10A	5721	2.70	
ITT	8412120	120VAC	SPDT 10A	5718	1.50	
FJTS	FRL256A120/02CS	120VAC	DPDT 10A	35580	2,75	
FJTS	FRL256A120/01CS	120 VAC	SPDT 10A	12450	1.95	
STDN	A314XB48PL	120 VAC	DPDT 10A	3130	2.50	
COMP	C11203220VAC	220 VAC	DPDT 10A	5787	1.75	
LINE	MKP2A220 VAC	220 VAC	DPDT 10A	5857	1.75	
SYRC	SKP11AGN230	230VAC *DPDT	10A	5858	1.75	

* = Neon lite across coil to indicate energized contacts.
Ideal use for Elevator Controls. † = Push test button



KUP STYLE RELAYS

5 to 15 Amp Control Capacity
Transparent Polycarbonate Cover
UL listed
Mounting Styles: Sockets, Ears & Stud
Quick Connect Terminations

MFG	MFG #	Coil Volts	Contacts Form Mt.	Rated Amps	Stock #	Price Ea./C
SGMA	68R3-6AC-SCO	6VAC	3PDT Lug	10	6477	3.25
P&B	KUP14D15-6	6VDC	3PDT Lug	10	6479	2.75
P&B	KU4731	6VDC	3PDT Lug	10	6478	3.00
FJTS	FRL253A012/03C	12VAC	3PDT Lug	10	7346	2.50
FJTS	FRL251A012/01CS	12VAC	SPST Ears	10	16741	.50
P&B	KUEP-11D15-12	12VDC	DPDT Lug	10	35034	1.75
OMRN	MJIC-UA-AC24	24VAC	SPDT Ears	10	3758	1.50
DLTL	1662030882	24VDC	3PDT Lug	10	5470	3.25
MAGN	W388ACPX-13	24VAC	3PDT Lug	11	8950	3.25
P&B	KUP17A5524	24VAC	4PDT Ears	10	5479	5.75
DLTL	166DL	24VDC	SPDT Lug	10	2642	1.50
P&B	KUP7D55-24	24VDC	DPST Ears	10	10548	1.00
DLTL	166DL	24VDC	DPDT Lug	10	2642	2.50
DLTL	165DL	24VDC	1A/2C Lug	5	1983	.75
SCHR	RM900046	24VDC	DPDT Lug	10	5460	2.75
SCHR	RM205-024	24VDC	DPDT Ears	16	35337	3.00
FJTS	FRL253D024/02CS	24VDC	DPDT Lug	10	17462	2.75
DLTL	28749-60	24VDC	DPDT Lug +	10	21139	2.00
P&B	KU-5390	24VDC	DPDT L/D	10	17463	3.00
MAGN	W388CPX-7	24VDC	DPDT Lug	12	8949	2.75
P&B	KUP11D15-24VDC	24VDC	DPDT Lug	10	10473	4.00
GRDN	1395P-2C-24D	24VDC	DPDT PC	10	21349	2.50
P&B	KUP11D55-24	24VDC	DPDT Ears	10	29316	2.50
GE	CR220HF78W10	24VDC	3PDT Lug	10	5568	2.75
SGMA	68R324DCSCO	24VDC	3PDT Lug	10	5578	3.15
DLTL	2031182	24VDC	3PDT Lug	10	5576	3.00
CDE	213D1024B	24VDC	3PDT Lug	10	5692	3.25
CLRE	GP3R231AD2000	24VDC	3PDT Lug	10	5695	3.00
MAGN	W388CPX-11	24VDC	3PDT Lug	11	8951	3.25
P&B	KUMP14DA8	24VDC	3PDT MS	15	9432	3.50
P&B	KUP6D15-48VDC	48VDC	DPDT Lug	3	1760	1.50
MDTX	187-86F6V1-110D	110VDC	DPST Lug#	25	15826	Call
OMRN	MJ2PUADC110	110VDC	DPDT Lug	10	5158	3.28
OMRN	MJP-UA-DC110	110VDC	DPDT Lug	10	18220	2.00
IDEC	RR3BUS110VDC	110VDC	3PDT Ears D	10	7231	3.50
IDEC	RR3B-SFDC110	110VDC	3PDT Lug	10	23225	2.50
SCHR	RM703-615	115VAC	3PDT Ears	16	35388	3.50
P&B	KUP5A1120	120VAC	SPDT Ears	5	5607	1.95
FJTS	FRJ251A120/01CS	120VAC	SPDT Ears	10	6523	1.75
MAGN	W388ACPX-4	120VAC	SPDT Lug	13	9204	1.50
STDN	B283XAXCS2	120VAC	SPDT MS	10	10829	1.50
STDN	A283XBXC	120VAC	DPDT Lug	10	3134	3.25
MDTX	157-23T1L1	120VAC	DPDT MS	5	35364	1.57
SKY	SKAT-1-2C 120VAC	120VAC	DPDT Ears	13	35455	2.25
MAGN	W388ACPX-9	120VAC	DPDT Lug	12	9205	3.25
MAGN	W388ACQX-9	120VAC	DPDT Lug	12	28808	2.50
MDTX	157-23T1L1	120VAC	3PDT MS	5	35364	1.25

Lug = Socket plug-in, Ears = Ear mounting bracket, MS = Mounting Stud 6-32 x .280"
Lug + = Lug & mounting hole, L/D = Lug with diode across coil, #=Lug or PC(pc tip snap-off)

**FOR A COMPLETE LISTING
OF RELAY SOCKETS
SEE PAGE 19**

MANUFACTURER'S LEGEND

A/B-Allen -Bradley	HG- Highguard	P&B-Potter&Brumfield
ALLD-Allied Electronics	HP-Hewlett/Packard	SGMA-Sigma
AROM-Aromat	ITT-ITT	SIEM-Siemans
AT&T-American Tel&Tel	ISKR-Iskra	SKY- Sky relays
AZ-American Zettler	IDEC-Idec	STDN-Struthers Dunn
BBCK-Babcock	JACO-Jaico	STAN-Stancor
BEST- Beststar	MAGN-Magnecraft	SSAC-SSAC
CLAR-CP Clare	MATS-Matsushita	STET-Stetron
CDE-Cornell Dubilier	MDTX-Midtex	TAIK-Taiko
CRY-Crydom	MONS-Monsanto	TAKA-Takamasawa
DLTL-Deltrol Controls	MOT-Motorola	THET-Theta J Electronics
ELEC-Electrol	NEC-NEC	TOSH-Toshiba
FEME-Feme(Italian Mfg)	OMRN-Omron	TELE-Teledyne
FJTS-Fujitsu	OPTO-Opto 22	TECK-Teck
GRDN-Guardian Electric	PHIL-Philips	VACT-Vactrol
GORD-Gordos	SCHR-Schrack	WABA-Wabash
HAML-Hamlin	SYRC-Syracuse	
HAS-Hasco	QTC-Quality	

P&B TYPE
R10, R30, R40 & R50
RELAYS



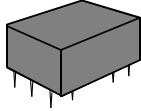
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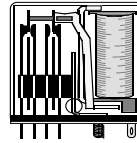
P&B R50 SERIES or Equal MFG
PC MOUNT RELAYS

Direct drive from TTL Drivers
1" Grid spacing

Typical Applications

Alarm systems, Business machines, Telephone switching equipment,
Communication equipment and data processing equipment.

MFG	MFG #	Coil Volts	Contacts Form	Rating	Price Stock #	C/M
P&B	R50-E2-Y1-5VDC	5DC	SPDT 2		21725	Call
P&B	R50-E2-Y2-5VDC	5DC	DPDT 2		35327	Call
P&B	R50-E2-Y1-6VDC	6DC	SPDT 2		5931	Call
P&B	R50-E2-Y2-6VDC	6DC	DPDT 2		99997	Call
P&B	R50-E2-Y1-12VDC	12DC	SPDT 2		22246	Call
P&B	R50-E2-Y1-24VDC	24DC	SPDT 2		5579	Call
P&B	R50-E2-Y2-24VDC	24DC	DPDT 2		5002	Call
P&B	R50-E2-Y1-48VDC	48DC	SPDT 1		99995	Call
AMERICAN ZETTLER 2530 & 2531 SERIES						
AZ	AZ2530-12-1	5DC	SPDT 1		12230	Call
AZ	AZ1530-10-100	5DC	SPDT 1		1039	Call
AZ	AZ2531-14-1	5DC	DPDT 1		3746	Call
AZ	AZ2531-14-2	6DC	DPDT 2		17821	Call
AZ	AZ530-09-2	12DC	SPDT 2		15781	Call
AZ	AZ1530-06-2	24DC	SPDT 1		12044	Call
AZ	AZ2530-04-1	48DC	SPDT 1		14313	Call
MAGNECRAFT 60RE SERIES						
MAGN	60RE-1S-5DC	5DC	SPDT 1		13568	Call
MAGN	60RE-2-5DC	5DC	DPDT 2		99994	Call
MAGN	60RE-1-12DC	12DC	SPDT 2		99993	Call
MAGN	60RE-1-24DC	24DC	SPDT 2		99991	Call
MAGN	60RE-2-24DC	24DC	DPDT 2		15944	Call
SIGMA 60RE SERIES						
SGMA	60RE-1S-5DC	5DC	SPDT 1		1759	Call
SGMA	60RE-2-5DC	5DC	DPDT 2		99990	Call
SGMA	60RE-1S-6DC	6DC	SPDT 1		5928	Call
SGMA	60RE-2-6DC	6DC	DPDT 2		99989	Call
SGMA	60RE-1-12DC	12DC	SPDT 2		99988	Call
SGMA	60RE-1-24DC	24DC	SPDT 2		99986	Call
SGMA	60RE-2S-48DC	48DC	DPDT 2		25926	Call
GUARDIAN 1475 SERIES						
GRDN	1474-2C-24DC	24DC	DPDT 5		5843	Call

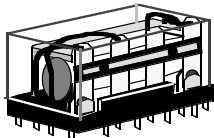


P&B R10 SERIES or Equal MFG

CLEAR POLYCARBONATE COVER
GENERAL PURPOSE RELAY
RUGGED CONSTRUCTION FOR HIGH RELIABILITY

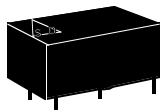
Coil Volts	Contacts Form Mt.	Rated Amps	MFG	MFG #	Price Stock #	Ea./C
5VDC **	SPDT PC	3	P&B	R10SE2Y1J500	5601	Call
6VDC	SPST PC	1	SGMA	70RE12VH-6DC	1748	.75
6VDC	DPDT LUG	5	P&B	R10E1X2V526VDC	7222	3.25
6VDC	DPDT LUG	5	AZ	AZ420-15-4H	12228	2.25
6VDC	4PDT LUG	2	ALLD	T154X1229	7139	2.50
6VDC	4PDT LUG	2	GOULD	T154X1-266	8196	2.50
6VDC	6PDT LUG	3	P&B	R10-E1-Z6-V25	12001	3.50
12VDC *	DPDT LUG	2	P&B	R10-E1-Y2-J2.5K	10274	Call
12VDC	DPDT LUG	1	MATS	K2Y-12V-1	22455	2.95
12VDC *	DPDT LUG	2	SGMA	70R2S100012VDC	8342	3.25
12VDC	4PDT Lug	2	AROM	K4Y-12V-1	35313	3.00
12VDC	4PDT Lug	2	AROM	K4-12V-9	35312	2.25
12VDC	4PDT LUG	2	AZ	AZ241-1011-1L	3554	2.50
12VDC	4PDT LUG	5	MAGN	W67RCX-7	10693	3.50
24VDC	SPDT PC	1	SGMA	70RE12VH24DC	5064	.50
24VDC	DPDT PC	2	P&B	R10-1E40241	7246	1.95
24VDC	DPDT LUG	5	SCHR	ZLU 021 024	17844	Call
24VDC	DPD TPC	2	GOULD	TP154CC24VDC	5575	1.00
24VDC	DPDT LUG	2	AROM	K2YT-24V-9	5632	2.75
24VDC	DPDT PC	2	P&B	R10E40241	6073	1.95
24VDC	4PDT LUG	2	AROM	K4Y-24V-9	1782	2.50
24VDC	4PDT PC	2	AROM	K4ET-24V-9	5001	4.50
24VDC *	4PDT LUG	5	P&B	R10E1-M4-S1.8K	5069	Call
24VDC *	4PDT LUG	2	SGMA	70R4S25412	5168	1.50
24VDC	4PDT PC	2	AZ	AZ429-70-1LUS	18357	Call
24VDC	4PDT LUG	2	ALLD	R10T154X786	6072	2.50
24VDC	4PDT LUG	2	DLT	255677E10657	6096	1.95
24 VDC	4PDT PC	2	ALLD	TPS-163-2C-2C	9242	3.95
24VDC	4PDT LUG	2	P&B	R10-E1-X4-V700	10273	3.95
24VDC	4PDT LUG	2	AZ	AZ-421-07-1L	5224	1.95
24VDC	8PDT LUG	250MA	P&B	R10-E1-L8-V350	8190	6.95
115VAC	DPDT PC	5	P&B	R10R2-X2-115V	31274	4.50
115VAC	DPDT LUG	1	P&B	R10-E1-Z2-V115	5626	5.95

* Sensitive coil
** Super Sensitive 500 ohm coil 10mw pick-up



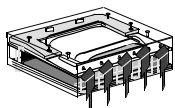
MEC GLP-4PDT-24D
4PDT 7AMP CONTACTS
24VDC COIL RELAY

PCMT UL & CSA LISTED relay, 350 ohm coil.
Size: 1.6" X 1.395" X 1.07" in a clear dust cover.
Mfg Master Electronic Controls P/N GLP-4PDT-24D
Stock # 25498 Price Ea./C \$2.95



10 AMPS IN A SMALL PKG.
SPST (NO) CONTACTS
5VDC COIL

Small in size for a big job, This **STRUTHERS DUNN** relay Contacts can handle 10 Amps 240VAC/ 30VDC, 1/6 hp@120VAC.
Size: L .785" W .495" H .395 PCMT. UL & CSA Listed
MFG SD P/N 276AXXH-5D
Stock # 25495 Price Ea./M .65

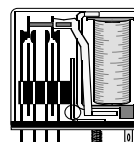


4PDT RIGHT ANGLE SLIM LINE
GENERAL PURPOSE RELAY
P&B R40 SERIES

PCMounting.

Size: L = 1.480" W = 1.200" H = .430"

MFG #	Coil	Contacts	Rating	Stock #	Price.
R40-E3-Z4-V200	12VDC	4PDT	2.0A	9737	Call



DUAL COIL LATCHING RELAY
DPDT 7.5 AMP CONTACTS
P&B R30 Series

Clear Polycarbonate Dust Cover

P&B MFG #	Coils VDC	MT. type	Stock #	Price Ea./C
R30D-E1-W2-V60024	24	lug	12063	2.75

**OPEN FRAME
HIGH CURRENT RELAYS
& ICE CUBE SIZE RELAYS**

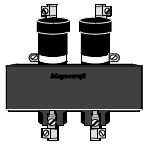


DERF ELECTRONICS CORP.
253 N Grand Ave, Poughkeepsie, NY 12603
Phone (845) 790-9900 • Fax (845) 790 9915

Call Toll Free
1-800-431-2912
(Outside NY)

E-MAIL sales@derf.com

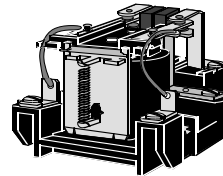
Visit our Web Site <http://www.derf.com>



**60 AMP MERCURY
DISPLACEMENT RELAY
SEALED DPST(NO) CONTACTS
120VAC 218 OHM COIL.**

High inrush capacity, Liquid Mercury contacts, with steel tube design. Hermetically sealed and pressurized with inert gas for rapid arc suppression.

MAGNACRAFT MFG # WM60AA -120A
Stock# 9265 Price Ea.- \$8.00

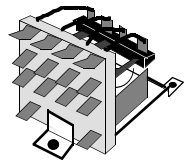


**30 AMP OPEN FRAME
HEAVY DUTY FAST-ACTING
CLASS 199 POWER RELAYS**

INDUSTRIAL CONTROL APPLICATIONS
RUGGED CONSTRUCTION

MFG	MFG #	Contacts	Amp Rat.	Coil Volts	Stock #	Price Ea./C
MDTX	30-15B2L1	SPST(NC)	30	12VDC	11384	4.50
P&B	PRD5DY024	SPDT	25	24VDC	7209	6.70
MAGN	W199X-3	SPDT	30	24VDC	8959	4.95
MAGN	W199X-3	SPST	30 *	24VDC	8958	3.75
P&B	PRD7DY0	DPST	25	24VDC	5170	5.95
MDTX	302-11C100	DPDT	25	24VDC	10822	5.95
DLTL	20245-82	DPDT	30	24VDC	10821	5.95
DLTL	20249-82	DPST	30	24VDC	5569	5.25
MAGN	W199DBX-4	SPST	20 *	110VDC	9210	3.75
MAGN	W199ADBX-4	SPST	20 *	120VAC	9209	3.50
MAGN	W199X-4	SPDT	30	110VDC	8956	5.25
STDN	425BXX	DPST	20	120VAC	3145	5.95
P&B	PRD7AY0-120	DPST	25	120VAC	20839	5.60
DTDL	20240-83	DPST	30	120VAC	11556	5.95
MAGN	W199ABX-14	DPDT	10 ***	120VAC	8954	9.95
P&B	PRD11AY0-120	DPDT	25	120VAC	3159	7.50

* Double make contacts
** With magnet blowout for DC arc-quenching
***Auxiliary SPDT snap-action 10 amp switch (rear of unit)
(NC) = norm. closed

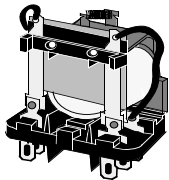


**COMPACT 25 AMP
4PDT POWER RELAY
Silver-cadmium oxide contacts
24VAC COIL**

For polyphase and heavy duty switching.
1/4 "Quick Connects

Size: L = 2.657" W = 3.394" H = 2.719"
Mounting by 3 # 8-32 screws on 2" X 2.5" triangular centers.

P&B MFG #	Coil Volts	Ohms Pwr.	Stock#	Price Ea.
PMT17AY	24VAC	5.5 18VA9	5174	\$8.50



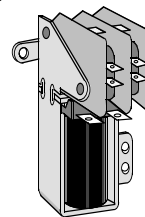
**OPEN FRAME RELAYS
GENERAL PURPOSE
P&B KA SERIES or EQUAL**

INEXPENSIVE LONG LIFE AND RUGGED

MFG	MFG #	Coil Volts	Contacts	Rating	Stock #	Price Ea./C
MDTX	1551252B4	6VDC	DPDT	10	6068	1.00
ITT	8532316	6VDC	3PDT	10	5985	1.50
DLTL	30222-27822-6	12VDC	SPDT	10	15827	.50
P&B	KA11DG12	12VDC	DPDT	10	5448	1.00
SCHR	RN230012 *	12VDC	DPDT	5	35336	.50
SCHR	RL33012 *	12VDC	3PDT	5	35343	.50
EDWD	395770110	24VDC	DPDT	5	6159	.75
P&B	542108	24VDC	SPDT	5	6169	.50
MAGN	W388X2	24VDC	SPDT	10	7846	.75
DLTL	2405260	24VDC	SPDT	10	5580	.75
DLTL	101UQ23VDC	24VDC	DPDT	10	7847	1.00
ALLD	KN1052C240	24VDC	DPDT	10	5477	1.00
P&B	KA1052C240	24VDC	3PDT	10	6076	1.50
GRDN	A4100062636-00	24VDC	3PDT	10	7764	1.50
EGLS	2003C0110VDC	110VDC	3PDT	10	6108	1.50
P&B	KA80044DIVY110V	110DC	3PDT	10	7240	1.50
VANG	16010-010A	110DC	3PDT	10	9986	1.50
MAGN	W388AX-9	120VAC	DPDT	10	11328	1.50
P&B	KA81085	220VAC	3PDT	10	5517	1.50

Quantities under 100 PCS are not listed.

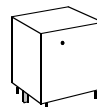
* = 6-32 mounting stud



**INDUSTRIAL POWER RELAYS
20 AMP CONTACTS
P&B S86R & S87R**

Sealed coil W: 1/4 Quick connects
Switching high current at low cost.

P&B MFG #	Coil Volts	Contact	Stock #	Priced From
S87R5D2B1D1	24VDC	SPDT	17344	1.50
S86R11A1B1D1	24VAC	DPDT	34643	
S86R11D1B1D1	24VDC	DPDT	4999	
S87R11D2B1D1	24VDC	DPDT	5175	



**ICE CUBE STYLE RELAYS
SPDT 3 TO 10 AMP CONTACTS
& SPST (NO) = †**

MFG	MFG#	Coil Volts	Contact Rating	Stock #	Priced From
AROM	JS1aE-12V	12DC	10A †	35113	.25
OMRN	G2U-113P-US-DC12	12DC	5A	35453	
OMRN	G2U-113P	12DC	5A	35443	
FJTS	FBR111ED012	12DC	5A	35576	
NEC	MR31-12UD	12DC	5A	35445	
NEC	MR331-N12	12DC	10A	35451	
AZ	AZ4-1CH-24DE	24DC	10A	35462	
AZ	AZ-1CH-24S	24DC	10A	35468	
OMRN	LCN-10-100-US-24	24DC	10A	35452	
DECO	UVD110P-DC24	24DC	10A	35213	
NEC	MR31-24HUD	24DC	10A	35446	
OMRN	LC1-C-E-US-120AC	120AC	3A	35504	

**IF YOU DON'T SEE YOUR RELAY
REQUIREMENTS LISTED PLEASE CALL**

