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MDP-900-1 and MDP-930-1 Replace Western Electric Type 255

- **Sensitive**
- **High Speed**
- **Bounce-free**

MDP SERIES SMALL POLARIZED RELAYS

TYPE	COILS: Pull-in Current In MA	COILS: Resistance In Ohms Each Coil*	COILS: Pull-In Power In Micro Watts	CONTACTS: Arrangement	CONTACTS: Rate In Amps Resitsive	SUGG. RESALE PRICE
Center-stable: MDP-306-5	1.5	250 (4)	562	1 Form K①	.005-.5A† .5-150V	33.40
Bi-stable: MDP-300-1	1.5	150 (2)	338	1 Form C②	.01-1A† 25-150V	22.35
MDP-900-1	2.0	150 (2)	600	1 Form C②	.01-1A† 25-150V	29.00
MDP-930-1	2.4	150 (2)	863	1 Form C③	.01-1A† 25-150V	29.55
MDP-1300-1	1.4	150 (2)	294	1 Form C②	.01-1A† 25-150V	22.35
MDP-1300-8	0.28	4000 (2)	314	1 Form C②	.01-1A† 25-150V	22.35
Center-stable: MDP-1001	1.75	12 (1)	36.8	1 Form K①	3 @ 28 VDC	25.55
MDP-1004	0.49	130 (1)	31.2	1 Form K①	3 @ 28 VDC	25.55
MDP-1006	0.32	330 (1)	33.8	1 Form K①	3 @ 28 VDC	25.55
MDP-1007	0.27	480 (1)	35.0	1 Form K①	3 @ 28 VDC	25.55
MDP-1008	0.23	900 (1)	47.6	1 Form K①	3 @ 28 VDC	25.55
MDP-1009	0.18	1460 (1)	47.3	1 Form K①	3 @ 28 VDC	25.55
MDP-1011	0.10	3500 (1)	35.0	1 Form K①	3 @ 28 VDC	25.55
MDP-1013	0.067	7200 (1)	32.3	1 Form K①	3 @ 28 VDC	25.55
MDP-2001	3.50	6 (2)	73.5	1 Form K①	3 @ 28 VDC	25.55
MDP-2008	0.46	360 (2)	76.2	1 Form K①	3 @ 28 VDC	25.55
MDP-2009	0.32	1000 (2)	102.0	1 Form K①	3 @ 28 VDC	25.55
MDP-2011	0.17	2300 (2)	66.5	1 Form K①	3 @ 28 VDC	25.55
MDP-2101	5.30	6 (2)	169	1 Form K①	3 @ 28 VDC	25.55
MDP-2107	0.80	240 (2)	154	1 Form K①	3 @ 28 VDC	25.55
MDP-2112	0.22	3300 (2)	160	1 Form K①	3 @ 28 VDC	25.55

*Number of coils shown in ( ) parenthesis. † With suitable arc suppression

Contact materials shown in O circles:

① Silver. ② Tungsten and Palliney. ③ Silver-tungsten-carbide.

For Bi-Stable or Center-Stable Operation

Small size, ultra-sensitivity and high speed switching together with efficient, bounce-free contact action characterize MDP polarized relays. Their operation depends on both the magnitude and direction of the coil current. Two types of contact arrangements provide the following action when the coils are de-energized: *Bi-stable* — armature remains in its last energized position; *Center-stable* — armature remains in center-off position with contacts open. Contact materials as listed. Temperatures: —60°C to +85°C. Measuring only 1⅛" sq. by 1⅛" high (seated), MDP relays are equipped with a plastic dust cover and 8 or 12-pin plugs. Weight: 4¼ ozs.

Types MDP-900-1 and MDP-930-1 (with extra long life contacts) will directly replace Western Electric Type 255 relays. 2⅛" square x 3¼" overall height. Weight: 10 ozs.

9MDP51 Holddown Bracket to adapt MDP relays to Barber-Colman socket. Box of 10 Net $2.75

See ordering information on page 1.

THESE ARE STANDARD STOCK RELAYS AVAILABLE THROUGH A LOCAL FRANCHISED DISTRIBUTOR

STOCK CATALOG 100

ISSUED MARCH 1967

QUALITY RELAYS BY POTTER & BRUMFIELD FOR EVERY APPLICATION

ORDERING INSTRUCTIONS — File-O-Matic Sec. 23

All relay contacts are rated at 120V, 60 Hz, non inductive load. When ordering specify relay type and coil voltage or resistance.

Example: PR5AY, 120 Volts AC, 60 Hz or LB5, 2500 ohms resistance.

To operate 110V DC relays on 220V DC use a 5 watt wire-wound resistor of a value approximately the relay coil resistance in series with the relay coil.

CONTACT LEGEND: S-Single; D-Double; P-Pole; T-Throw; N-Normally; O-Open; C-Closed; B-Break; M-Make.

Prices and Specifications subject to change without notice. For latest prices refer to United Pricing Service.

ALPHABETICAL INDEX

Relay	Page	Relay	Page	Relay	Page	Relay	Page	Relay	Page
AB	4	GP Kit	1	KRJP-H	3	MDP	16	PR	4
ABC	4	GR	5	KRP	3	MG	8	PR Cover	4
AP	5	HC	9	KRP-N	3	MH	8	PW	7
BS	7	HP	1	KRP-Spring	3	ML	9	RS	7
BS Cover	7	JM	11	KUP	3	MR	4	SA	6
BU	5	JR, JRM	10	KUP Sockets	3	MR Cover	4	SC, SCG	9
CD, CH	12	KA, KAP	2	KUP Spring	3	MS	6	SL, SLG	9
FC, FL	9	KB, KBP	5	LB	7	MS Cover	6	SM	7
GA	1	KCP	6	LM	7	P Case	3	SS	7
GB	6	KHP, KHS	2	LS, LSP	8	PC	6	TL	9
GF	4	KL	2	MB	8	PM	4	TM	13
GM	5	KM	6	MC	8	PM Cover	4		
GP	1	KR3-H	3						

KEY TO SUFFIXES

SUFFIX	STANDS FOR	EXAMPLE
A	— Alternating Current	BS17A
D	— Direct Current	BS17D
DD	— DC in a sealed "D" can	MH23DD
G	— Silver Cad.-Oxide Contacts	KRP5AG
L	— Plate Circuit	SM5L
M	— Sealed in "M" can	MH170M
N	— Neon Light	KRP11AN
P	— Enclosed in Plastic Dust Cover	MG11DP
R	— With Built-in Rectifier	MH17AMR
S	— Sealed in can	PW5DS, SM5DS
T	— Sealed in "T" can	MG11DT
Y	— U/L Component Recognition or Listing	AB11AY

IN STOCK AT LEADING ELECTRONIC PARTS DISTRIBUTORS

GA SERIES Low cost, all purpose, multiple contact, voltage switching relay. Used for many industrial control applications. Tinned, pierced solder type terminals. Contacts: ⅛" dia. silver, designed for maximum self-cleaning action. Mounting: No. 8-32 tapped core with locating boss. Weight: 3¼ ozs.

See GF series for similar relays having 10 amp ratings. (Page 4).

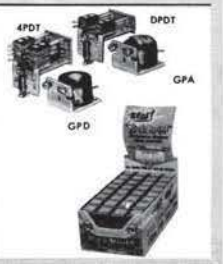


GP SERIES Separate AC and DC coils to match with 2PDT or 4PDT switches. AC coils (GPA) available in 6, 12, 24, 120 and 240 volts. DC coils (GPD) available in 6, 12, 24 and 110 volts; current coils: 2,500, 5,000 and 10,000 ohms. Contacts: ⅛" dia. silver.

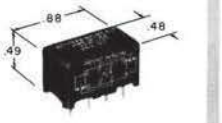
GP11 Switch Assembly DPDT 5 amps $1.80
GP17 Switch Assembly 4PDT 5 amps 3.10

GP-100 A complete kit of GP Series coils and switches consisting of the following: AC coils: Two 6V., two 12V., four 24V., six 120V., two 240V. DC coils: Two 6V., two 12V., two 24V., four 110V. Also two 2,500 and four 10,000 ohm coils; eighteen DPDT switch assemblies. Fourteen 4PDT switch assemblies. The complete kit is ideal for experimenters, school and industrial laboratories.

NET $140.35



HP SERIES This commercial microminiature relay is recommended for applications requiring high performance in minimum space, such as TV cameras, dictating machines, desk top computers, copying machines and others. For circuit board or socket mounting and encased in a high impact dust cover, the HP is a half crystal case size relay with terminals on a .200" grid. Please see additional specifications on page 14.



GENERAL PURPOSE RELAYS

TYPE	COILS: Voltage or Current	COILS: Resistance in Ohms	COILS: Nominal Power	CONTACTS: Arrangement	CONTACTS: Rate in Amps	SUGG. RESALE PRICE
GA11A	6V	1.7	6VA	DPDT	5	$3.50
GA11A	12V	6.8	6VA	DPDT	5	3.50
GA11A	24V	24	6VA	DPDT	5	3.50
GA11A	120V	690	6VA	DPDT	5	3.50
GA11D	6V	18	2.0W	DPDT	5	3.50
GA11D	12V	72	2.0W	DPDT	5	3.50
GA11D	24V	288	2.0W	DPDT	5	3.50
GA11D	110V	6,050	2.0W	DPDT	5	4.00
GA14A	24V	24	6VA	3PDT	5	4.25
GA14A	120V	690	6VA	3PDT	5	4.25
GA14D	24V	288	2.0W	3PDT	5	4.25
GA17A	6V	1.7	6VA	4PDT	5	5.10
GA17A	12V	6.8	6VA	4PDT	5	5.10
GA17A	24V	24	6VA	4PDT	5	5.10
GA17A	120V	690	6VA	4PDT	5	5.10
GA17A	240V	2,950	6VA	4PDT	5	5.90
GA17D	6V	18	2.0W	4PDT	5	5.10
GA17D	12V	72	2.0W	4PDT	5	5.10
GA17D	24V	288	2.0W	4PDT	5	5.10
GA17D	110V	6,050	2.0W	4PDT	5	5.60
GPA	6V	1.7	6VA	None	—	1.75
GPA	12V	6.8	6VA	None	—	1.75
GPA	24V	24	6VA	None	—	1.75
GPA	120V	690	6VA	None	—	1.75
GPA	240V	2,950	6VA	None	—	2.20
GPD	—	2,500	—	None	—	1.60
GPD	—	5,000	—	None	—	1.85
GPD	—	10,000	—	None	—	2.20
GPD	6V	18	2.0W	None	—	2.20
GPD	12V	72	2.0W	None	—	2.20
GPD	24V	288	2.0W	None	—	2.20
GPD	110V	6,050	2.0W	None	—	3.30
HP11D§	12V	218	.662W	DPDT	2	9.95
HP11D§	24V	870	.662W	DPDT	2	9.95

EEM File System Sec. 4500 ELECTRONIC ENGINEERS MASTER

§Enclosed Relay

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