

COIL DATA TABLES @ 25 C

V STANDARD DC VOLTAGE ADJUSTMENT					
2.2 Watts Maximum Continuous Coil Dissipation @ 25°C					
VDC at 25°C		Coil Resistance at 25°C ± 10% (ohms)			
Nominal	Pick-up (Max.)	1, 2 & 4 Form A, B, C or D Pick-up 500mW	6 Form A, B or C Pick-up 850mW	8 Form A, B or C Pick-up 1000mW	
3.0	2.25	10	6	5	
5.0	3.75	28	16	14	
6.0	4.5	52	25	20	
12.0	9.0	185	90	72	
24.0	18.0	700	430	350	
48.0	36.0	2.5K	1.5K	1.25K	
72.0	54.0	5.8K	3.5K	2.8K	
115.0	86.0	15.0K	9.0K	8.0K	

J SENSITIVE DC CURRENT ADJUSTMENT					
Must Operate Current (mA)					
All Applicable Types Except R10S					
Coil Resistance ±10% (ohms)	2 Form A, B, C or D Pick-up 85mW	4 Form A, B, C or D Pick-up 175mW	6 Form A, B, C or D Pick-up 250mW	8 Form A, B or C Pick-up 400mW	Max. Coil Current (mA)
1.0K	8.5	13.0	16.0	20.0	45.0
2.5K	5.8	8.4	10.0	13.0	28.0
5.0K	4.1	6.2	7.2	9.0	20.0
10.0K	3.1	4.5	5.0	6.4	14.0
15.0K	2.6	3.5	4.2	5.3	11.5
30.0K	1.7	2.5	2.9	3.7	8.3

R10S Types Only			
Coil Resistance ±10% (ohms)	1 Form C Pick-up 10mW	2 Form C Pick-up 20mW	4 Form C Pick-up 40mW
500	4.5 (A)	6.3 (A)	9.0
1.0K	3.2 (A)	4.5	6.5
2.5K	2.0	2.9 (B)	4.1 (B)
5.0K	1.4 (B)	2.0	2.9 (C)
10.0K	1.0	1.4 (C)	2.0
16.0K	0.8	1.2	1.4
30.0K	0.6 (C)	0.8	1.2

(A) Suggested for 5VDC operation.
 (B) Suggested for 12VDC operation.
 (C) Suggested for 24VDC operation.

Q SPECIAL DC VOLTAGE ADJUSTMENT						
1 & 2 Form A, B, C or D			3 & 4 Form A, B, C or D			Nominal Voltage @ 25°C (VDC)
Coil Res. @ 25°C ± 10% (ohms)	Pick-up (Max.) @ 25°C (VDC)	Pick-up @ 25°C (mW)	Coil Res. @ 25°C ± 10% (ohms)	Pick-Up (Max.) @ 25°C (VDC)	Pick-Up @ 25°C (mW)	
52	3.1	180	32	3.8	450	5
110	4.5	185	52	4.2	340	6
450	9.2	190	185	8.4	380	12
1.8K	17.4	170	1.0K	17.2	295	24
7.5K	36.2	175	3.2K	31.1	300	48
15.0K	49.5	165	7.5K	49.3	325	72
30.0K	67.5	160	15.0K	67.5	300	115

JJ ULTRA-SENSITIVE CURRENT ADJUSTMENT (1-4 Pole Only)				
Maximum Pick-Up Current (mA)				
Coil Resistance at 25°C ±10%	1 Form C Pick-Up Power 20mW	2 Form C Pick-Up Power 40mW	3 & 4 Form C Pick-Up Power 80mW	Maximum Continuous Coil Current (mA)
1.0K	4.5	6.5	9.0	45.0
2.5K	2.9	4.1	5.8	28.0
5.0K	2.1	2.9	4.1	20.0
10.0K	1.5	2.0	3.0	14.0
15.0K	1.2	1.7	2.4	11.5
30.0K	0.85	1.2	1.7	8.3

S SENSITIVE DC VOLTAGE ADJUSTMENT						
2.2 Watts Maximum Continuous Coil Dissipation @ 25°C						
VDC at 25°C		Coil Resistance at 25°C ± 10% (ohms)				
Nominal	Pick-up (Max.)	1 & 2 Form A, B, C or D Pick-up 100mW	3 & 4 Form A, B, C or D Pick-up 175mW	6 Form A, B or C Pick-up 250mW	8 Form A, B or C Pick-up 400mW	
3.0	2.25	50	30	20	12	
5.0	3.75	140	80	56	35	
6.0	4.5	200	110	80	52	
12.0	9.0	800	450	320	200	
24.0	18.0	3.2K	1.8K	1.2K	800	
48.0	36.0	13.0K	7.5K	5.2K	3.2K	
72.0	54.0	28.0K	16.0	13.0K	7.5K	
115.0	86.0	50.0K	40.0K	30.0K	16.0K	

STANDARD AC OPERATED RELAYS					
Coil Resistance @ 25°C ± 20% (ohms)		Volts AC @ 25°C			
2 & 4 Form C	6 & 8 Form C	Pick-Up (max.)	Nominal	Maximum Continuous	
25	15	5.0	6	7.2	
120	90	9.0	12	14.5	
500	350	18.0	24	30.0	
2.0K	1.4K	36.0	48	60.0	
9.0K	7.5K	86.0	115	130.0	

NOTE: Dual coil diode rectified construction.

SS ULTRA-SENSITIVE VOLTAGE ADJUSTMENT (1-4 Pole Only)				
2.2 Watts Maximum Continuous Coil Dissipation @ 25°C				
VDC at 25°C		Coil Resistance at 25°C ± 10% (ohms)		
Nominal	Pick-up (Max.)	1 Form C Pick-up Power 20mW	2 Form C Pick-up Power 40mW	3 & 4 Form C, Pick-up Power 80mW
3.0	2.25	220	110	52
5.0	3.75	700	350	175
6.0	4.5	1.0K	500	250
12.0	9.0	4.0K	2.0K	1.0K
18.0	13.5	9.0K	4.5K	2.2K
24.0	18.0	15.0K	7.5K	3.7K
36.0	27.0	30.0K	15.0K	7.5K
48.0	36.0	—	30.0K	15.0K

