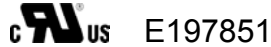


FEATURES:

- High sensitivity
- Super light weight
- Low coil power consumption
- PC board mounting
- UL/CUL certified



15.5 x 10.5 x 11.5 mm

CONTACT DATA

Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT
Contact Rating	1A @ 125VAC, 30VDC 3A @ 125VAC, 30VDC 5A @ 125VAC, 14VDC
Contact Resistance	< 50 milliohms initial
Contact Material	AgCdO + Au
Maximum Switching Power	90W
Maximum Switching Voltage	220VAC, 60VDC
Maximum Switching Current	5A

COIL DATA

Coil Voltage VDC		Coil Resistance $\Omega \pm 10\%$			Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max.	.20W	.36W	.45W	75% of rated voltage	10% of rated voltage			
3	3.9	45	25	20	2.25	0.3	.20 .36 .45	5	5
5	6.5	125	75	56	3.75	0.5			
6	7.8	180	100	80	4.50	0.6			
9	11.7	405	225	180	6.75	0.9			
12	15.6	720	400	320	9.00	1.2			
24	31.2	2880	1600	1280	18.00	2.4			

CAUTION:

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.
2. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

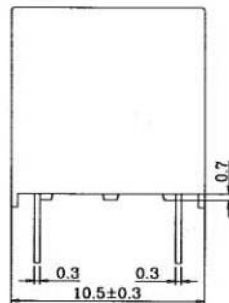
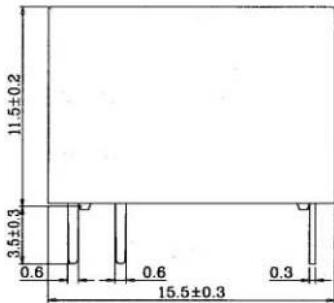
GENERAL DATA

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M Ω min @ 500VDC
Dielectric Strength, Coil to Contact	1250V rms min. @ sea level
Contact to Contact	500V rms min. @ sea level
Shock Resistance	100m/s ² for 11ms
Vibration Resistance	1.50mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature	-40 °C to + 85 °C
Storage Temperature	-40 °C to + 155 °C
Solderability	230 °C \pm 2 °C for 10 \pm 0.5s
Weight	3.5g

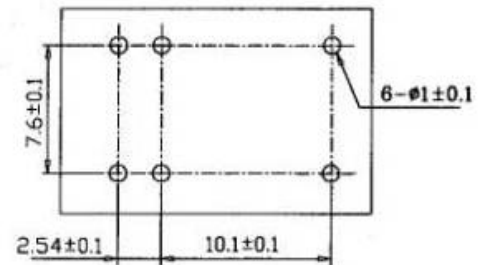
ORDERING INFORMATION

1. Series: WJ102 (6 pin configuration) STD WJ102K (5 pin configuration)	WJ102	1C	S	3	12VDC	.45
2. Contact Arrangement: 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT						
3. Sealing Options: S = Sealed						
4. Contact Options: 1 = 1 Amp (Requires .2, .36, or .45 Watt coil) 2 = 2 Amp (Requires .2 Watt coil) 3 = 3 Amp (Requires .36 or .45 Watt coil) 5 = 5 Amp (Requires .45 Watt coil)						
5. Coil Voltage: 3VDC 5VDC 6VDC 9VDC 12VDC 24VDC						
6. Coil Power: .20 = .20W .36 = .36W .45 = .45W						

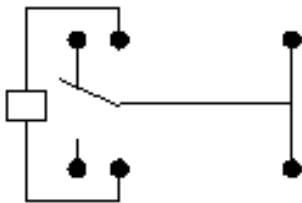
DIMENSIONS (Unit = mm)



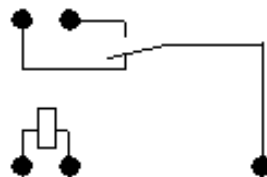
PCB Layout



Schematic



WJ102



WJ102K