



## Features

- High sensitivity
- Super light weight
- Switching current up to 12A
- PC board mounting



## Contact Data\*

Contact Arrangement	1A = SPST N.O.	Contact Resistance	< 50 milliohms initial
Contact Rating	10A @ 277VAC, General Purpose, 100k cycles 10A @ 30VDC, General Purpose, 100k cycles 12A @ 125VAC, Resistive, 100k cycles	Contact Material	AgSnO <sub>2</sub>
		Maximum Switching Power	300W
		Maximum Switching Voltage	300VAC, 100VDC
		Maximum Switching Current	12A

## Coil Data\*

Coil Voltage VDC		Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max) 75% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max						
5	6.5	56	3.75	.50	.45	8	5
12	15.6	320	9.00	1.2			
24	31.2	1280	18.00	2.4			

## General Data\*

Electrical Life @ rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	100M Ω min. @ 500VDC initial
Dielectric Strength, Coil to Contact	2500V rms min. @ sea level initial
Contact to Contact	1000V rms min. @ sea level initial
Shock Resistance	100m/s <sup>2</sup> for 11 ms
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	260°C for 5 s
Weight	7g

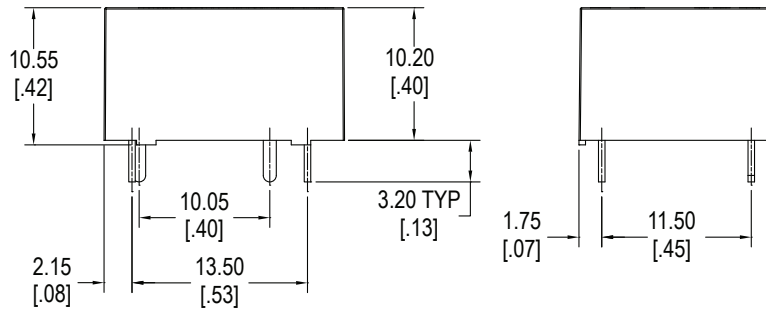
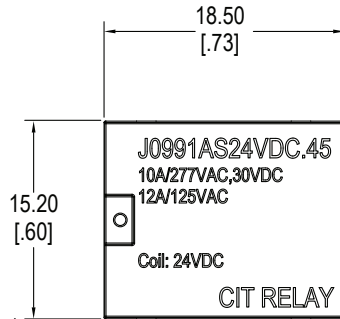
\* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

## Ordering Information

1. Series	J099	1A	S	12VDC	.45
J099					
2. Contact Arrangement	1A = SPST N.O.				
3. Sealing Options	S = Sealed <i>against flux ingress</i>				
4. Coil Voltage	5VDC 12VDC 24VDC				
5. Coil Power	.45 = .45W				

## Dimensions

Units = mm



## Schematics & PC Layouts

Bottom Views

