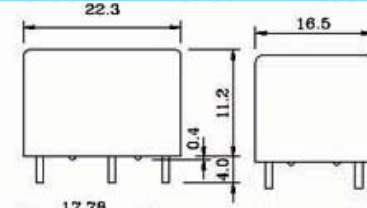
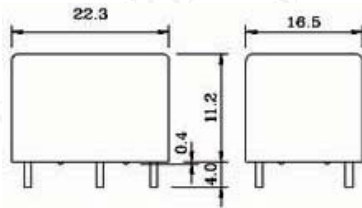
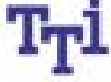




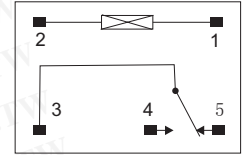
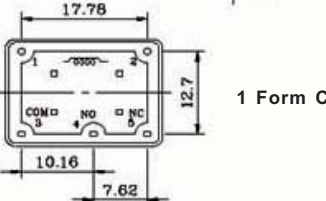
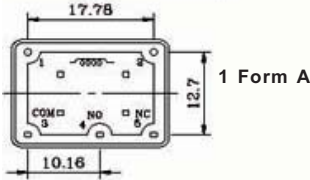
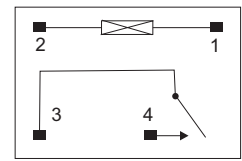
# Relays & Solenoids

## TTI\_PCB Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



(BOTTOM VIEW)



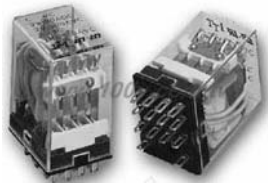
**PERFORMANCE (at initial value)**

Item	Type	TRV
Contact Resistance		100mΩ Max (6VDC 1A)
Operation Time		10msec Max.
Release Time		4msec Max.
Dielectric Strength Between coil & contact		1500VAC 50/60Hz (1 minute)
Between contacts		750VAC
Insulation resistance		100MΩ Min. (500VDC)
Max. ON/OFF Switching Mechanically		300 operation/min
Electrically		30 operation/min
Operating Humidity		45 to 80% RH
Shock Endurance		100G Min.
Error Operation		10G Min.
Vibration Functional		10 to 55Hz Double Amplitude 1.6mm
Destructive		10 to 55Hz Double Amplitude 1.6mm
Operating Ambient Temperature		-40°C to +70°C (No condensation)
Coil Temperature Rise		30 deg. Max. (at rated coil voltage)
Weight		Abt. 10grs.

**CONTACT RATING**

Item	Type	TRV	
		FORM A	FORM C
Contact Capacity		16A 125VAC	N/O
			N/C
Resistive Load		16A 250VAC	15A 125VAC
			12A 30VDC
Rated Carrying Current		16A	16A
			12A
Max. Allowable Voltage		250VAC, 110VDC	
Max. Allowable Current		16A	16A
Max. Allowable Power Force		2000VA	2000VA
			480W
Referenced Min. Applicable Load		5VDC, 100mA	
Contact Material		Ag Alloy	

Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
23914	TRV-12VDC-SC-CD	TTI	TTI Relay	22.0*16.6*11.0mm	1 Form C	16A 125VAC/30VDC	12VDC	CUL	TRV
23117	TRV-24VDC-SC-AL	TTI	TTI Relay	22.0*16.6*11.0mm	1 Form A	16A 125VAC/30VDC	24VDC	CUL	TRV
23118	TRV-24VDC-SC-CD	TTI	TTI Relay	22.0*16.6*11.0mm	1 Form C	16A 125VAC/30VDC	24VDC	CUL	TRV
23119	TRV-48D-SC-AL0.25W	TTI	TTI Relay	22.0*16.6*11.0mm	1 Form A	16A 125VAC/30VDC	48VDC	CUL	TRV
23120	TRV-48VDC-SC-AL	TTI	TTI Relay	22.0*16.6*11.0mm	1 Form A	16A 125VAC/30VDC	48VDC	CUL	TRV
23121	TRV-9VDC-SC-CD0.45W	TTI	TTI Relay	22.0*16.6*11.0mm	1 Form C	16A 125VAC/30VDC	9VDC	CUL	TRV



**MAIN FEATURES**

- Long life and high reliability
- Strong construction for vibration and shock
- Approximately thousands for kinds are available depending on the combination of terminals, covers, contact rating, coil etc.
- Molded material: all UL 94V-0

**APPLICATIONS**

- Power station control equipments
- Transportations
- Refrigerators
- Coil operated machines
- Office machines
- Building control equipments
- Medical equipments
- Amusement devices, etc



**CONTACT RATING**

Item	Arrangement	TRY-2C	TRY-4C
		DPDT (2C)	4PDT (4C)
Contact capacity	Resistive load	7A 250VAC	5A 250VAC
		7A 30VDC	5A 30VDC
Inductive load	cos Φ=0.4	3A 250VAC	3A 250VAC
		3A 30VDC	3A 30VDC
Carrying current		7A	5A
Max. switching voltage		250VAC, 125VDC	
Max. switching current		7A	5A
Max. switching power		1750VA, 210W	1250VA, 150W
Max. permissible load		5VDC 100mA	5VDC 100mA
Contact material		Ag alloy	Gold plated Ag alloy

**PERFORMANCE (at initial value)**

Contact resistance	Max. 100mΩ
Operation time (at nominal voltage)	Max. 20msec
Release time (at nominal voltage)	Max. 20msec
Operation frequency	20ops/minute
Insulation resistance	Min. 100MΩ(at 500VDC)
Vibration resistance	Functional: Min. 20G Destructive: Min. 100G
Dielectric strength	1500VAC, for 1 minute between coil and contact 750VAC, for 1 minute between contact sets 750VAC, for 1 minute between open contacts
Ambient temperature	-40 to +70°C
Humidity	40 to 85% RH
Life expectancy	Mechanical: 1x10 <sup>7</sup> operations Electrical: 2x10 <sup>5</sup> operations (at rated load)
Weight	abt 35grs

