

Latching Relay TRW9

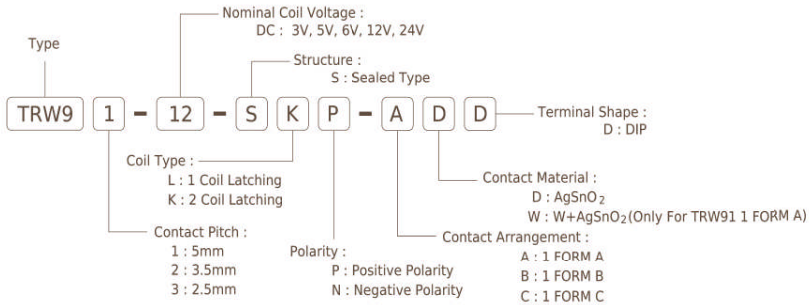
MAIN FEATURES

- High switching capacity
16A 250VAC
- High inrush peak current.
- Outline Dimensions : 29.0 mm. x 13.0 mm. x 15.7 mm.

APPLICATIONS

- Electricity Meter.
- Time Switches.
- Ripple Control receiver.
- Lighting Control.

ORDERING INFORMATION



COIL DATA CHART(at 20°C)

Coil Sensitivity	Coil voltage (VDC)	Coil resistance (Ω) ±10%	Set voltage (VDC)	Reset voltage (VDC)	Coil power (mW)
L type 1 coil latching	3	22.5	2.4	-2.4	400
	5	62.5	4.0	-4.0	
	6	90	4.8	-4.8	
	12	360	9.6	-9.6	
	24	1440	19.2	-19.2	
K type 2 coil latching	3	15 + 15	2.4	2.4	600
	5	42 + 42	4.0	4.0	
	6	60 + 60	4.8	4.8	
	12	240 + 240	9.6	9.6	
	24	886 + 886	19.2	19.2	

CONTACT RATING

Item	TRW9	
	1 Form A	1 Form C
Contact rating (Resistive load)	16A 250VAC 20A 250VAC *1	16A 250VAC *2
Max. switching voltage	277VAC	
Max. switching current	16A	
Max. switching power	5000VA	
Contact material	Silver Alloy	

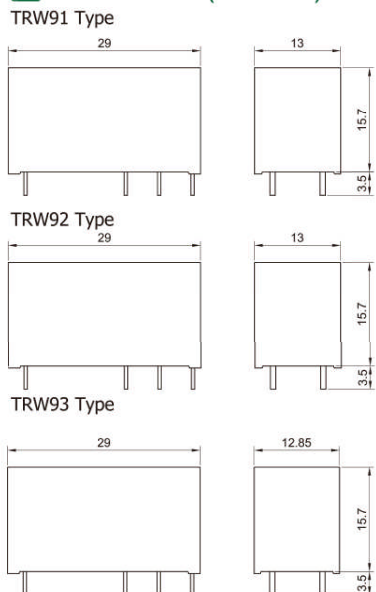
PERFORMANCE(at initial value)

Item	TRW9
Contact resistance	50mΩ Max.(1A 24VDC)
Insulation resistance	1000MΩ.(at 500VDC)
Creepage distance	8mm.
Operation time (at nomi. volt.)	15ms Max.
Release time (at nomi. volt.)	15ms Max.
Dielectric strength	Between coil & contacts
	Between open contacts
Shock resistance	Functional
	Destructive
Vibration resistance	10Hz to 55Hz D.A. : 1.5mm.
Humidity	5% ~ 85% RH, 40°C.
Ambient temperature	-40°C to +85°C.
Life expectancy	Mechanically
	Electrically
	Electricaly
Weight	Abt. 13g.

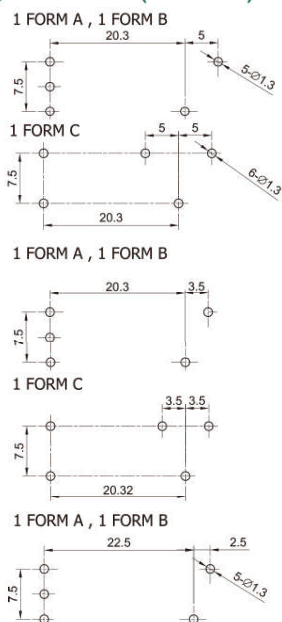
NOTICE

- Relay is on the "reset" or "set" status when being released from stock, with the consideration of shock risen from transit and relay mounting, relay would be changed to "set" or "reset" status, therefore, when application (connecting the power supply), please reset the relay to "set" or "reset" status on request.
- In order to maintain "set" or "reset" status, energized voltage to coil should reach the rated voltage, impulse width should be 5 times more than "set" or "reset" time. Do not energize voltage to "set" coil and "reset" coil simultaneously. And also long energized time (more than 1 min) should be avoided.
- In order to avoid changing operate voltage, products should not be kept in strong magnetic field during transportation, storage and application.

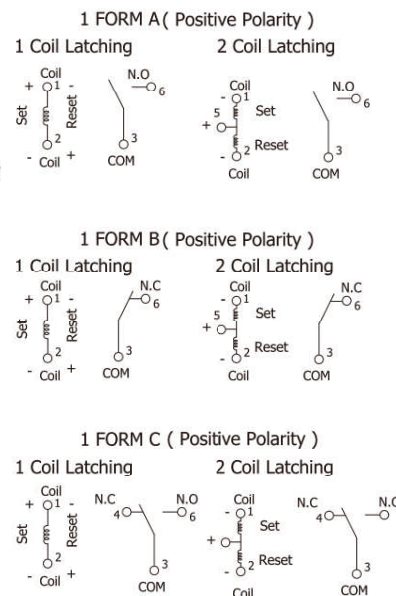
DIMENSION(unit:mm)



DRILLING(unit:mm)



WIRING DIAGRAM



1.Tolerance ±0.5mm on all dimensions unless otherwise stated.
2. Tolerance ±0.1mm on PCB DRILLING dimension unless otherwise stated.