



MAIN FEATURES

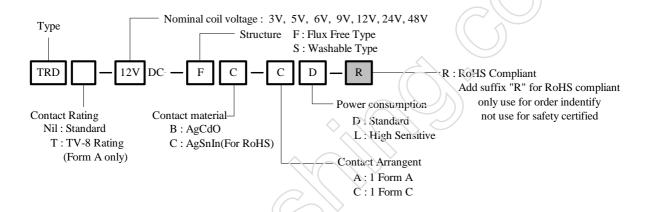
- Switching capacity available by 12A,15A in spite of small size design for high density P.C. board mounting technique.
- Selection of plastic material for high temperature and better chemical solution performance.
- Sealed types available.
- Simple relay magnetic circuit to meet low cost of mass production.
- UL . CSA and TUV recognized.

APPLICATIONS

TRD: • Domestic appliance, office machine, audio, equipment, automobile,

TRDT: • Remote control TV receiver, monitor display, audio equipment high rushing current use application.

ORDERING INFORMATION

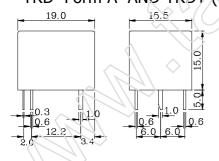


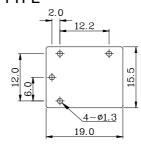
DIMENSION_(unit:mm)

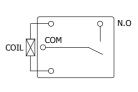
DRILLING_(unit:mm)

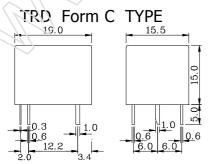
WIRING DIAGRAM

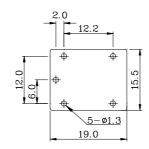
TRD Form A AND TRDT (TV-S) TYPE

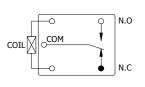












■ COIL DATA CHART (AT20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) ±10%	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRD (High Sensitivity)	3	120	25	abt. 0.36W	75% Max.	5% Min.	
	5	71.4	70				120%
	6	60	100				
	9	40	225				
	12	30	400				
	24	15	1600				
	48	7.5	6400				
TRD (Standard)	3	150	20	abt. 0.45W	75% Max.	5% Min.	1111
	5	89.3	55				
	6	75	80				110%
	9	50	180				110/8
	12	37.5	320				
	24	18.7	1280				
	48	10	4500	abt. 0.50W		~(\/	

■ CONTACT RATING

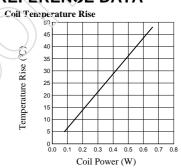
Туре	TF	TDDT (F A)			
Item	12A	15A	TRDT (Form A)		
Contact Capacity Resistive Load (cosΦ=1)	12A 28VDC (UL) 12A 120VAC 12A 28VDC(TUV) 6A 250VAC	12A 28VDC (UL) 15A 125VAC 15A 28VDC(TUV) 10A 250VAC	125VAC TV-8 (Incandescent Lamp 8A) 10A 250VAC 15A 28VDC 1/2HP125VAC		
Rated Carrying Current	12A	15A	15A.		
Max. Allowable Voltage	250VAC/110VDC	250VAC/110VDC	250VAC 110VDC		
Max. Allowable Current	12A	15A	15A		
Max. Allowable Power Force	1440VAC, 336W	1875VA, 420W	1875VA, 420W		
Referenced Min. Applicable Load	5VDC, 10mA	5VDC, 10mA	5VDC, 10mA		
Contact Material	Ag Alloy				

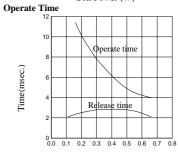
■ PERFORMANCE (at initial value)

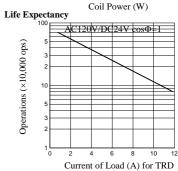
TENTOTAIN TOE (at Illian Value)						
Type	TRD					
Contact Resistance	100mΩ Max.					
Operation Time	10msec Max.					
Release Time	5msec Max.					
Dielectric Strength Between coil & contact Between contacts	1500VAC 50/30HZ (1 minute) 750VAC 50/60HZ (1 minute)					
Surge Resistiveness	3000V (between coil & contact 1×40u sec)					
Insulation Resistance	100 MΩ Min. (500VDC)					
Max. ON/OFF Switching Mechanically Electrically	300 operation/min 30 operation/min					
Operating Ambient Temperature	-30°C to +80°C (No water condensation and no water drop)					
Operating Humidity	45 to 85% RH					
Coil Temperature Rise	35 deg. Max.					
Vibration Endurance Error Operation	10 to 55Hz Double Amplitude 1.5mm 10 to 55Hz Double Amplitude 1.5mm					
Shock Endurance Error Operation	100G Min. 10G Min.					
Life Expectancy Mechanically Electrically	10 ⁷ operations. Min. (no load) 10 ⁵ operations. Min. (at rated coil voltage)					
Weight	abt. 10grs.					
UL	E156521(TV-8)					
CSA	LR 102317					
TUV	R 50062544					

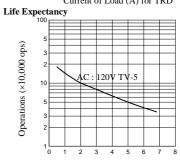
This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.

■ REFERENCE DATA









Current of Load (A) for TRDT