



## T4100



### Feature

1. Low profile size: 15.6(L)x10.6(W)x11.7(H)mm
2. Max Switching Capacity: 3A/120VAC
3. Environmental friendly product
4. Terminal Type: PCB

### Typical applications

- ◆ Telecommunications
- ◆ Appliances     ◆ Office Equipment

**Reference Cross:** SYS1   HM4100F   OUAZ   842



## Specifications

### ◆ Contact Ratings

Number of poles	<b>1 Pole</b>		
Arrangement	1 Form C		
Initial contact resistance, max.(by voltage drop 6VDC/1A)	50m $\Omega$		
Contact material	Silver alloy		
Rating (resistive load)	Nominal switching capacity	3A@120VAC/24 VDC	
	Max. switching power	360VA /72W	
	Max. switching voltage	120VAC	
	Max. switching current	3A	
Expected life (min.operations)	Mechanical (at 300cpm)	$5 \times 10^6$	
	Electrical (resistive load)	$1 \times 10^5$	

### ◆ Coil data

<b>1、 Sensitive coil</b>				
Rated voltage (VDC)	5	9	12	24
Rated current (mA)	40	22.2	16.7	8.3
Coil resistance ( $\Omega$ ) $\pm$ 10%	125	405	720	2880
Must operate voltage	75% max. of rated voltage			
Must release voltage	5% min. of rated voltage			
Max voltage	130% of rated voltage			
Power consumption	0.2W	0.2W	0.2W	0.2W
<b>2、 Standard coil</b>				
Rated voltage (VDC)	5	9	12	24
Rated current (mA)	72	40	30	15
Coil resistance ( $\Omega$ ) $\pm$ 10%	69	225	400	1600
Must operate voltage	75% max. of rated voltage			
Must release voltage	5% min. of rated voltage			
Max voltage	130% of rated voltage			
Power consumption	0.36W	0.36W	0.36W	0.36W

◆ **Characteristics**

Item		
Initial insulation resistance		Min.100 M $\Omega$ (at 500VDC)
Dielectric strength	Between open contacts	500VAC 1 Min.
	Between coil and contacts	1000VAC 1 Min.
Operate time (at nominal voltage)		5ms
Release time (at nominal voltage)		3ms
Temperature rise (at nominal voltage)		25K max. (at 20°C)
Shock resistance	Functional	100 m/ S <sup>2</sup>
	Destructive	500 m/ S <sup>2</sup>
Vibration resistance	Functional	10 to 55Hz, at double amplitude 1.5mm
	Destructive	
Ambient temperature		-40°C ~ +85°C
Humidity		45% to 85% RH
Termination		PCB
Unit weight		Approx. 3.5g

**Ordering information**

**T4100 — 1    X    X    X**

**1                      2        3        4**

- 1. Product type: T4100**
- 2. Coil Voltage**  
**05—5VDC      12—12VDC**
- 3. Contact arrangement**  
**A—1 form A    C—1 form C**
- 4. Coil power**  
**Blank—Sensitive(0.2W)    D—Standard(0.36W)**

***Note: Any special requests, please contact us.***



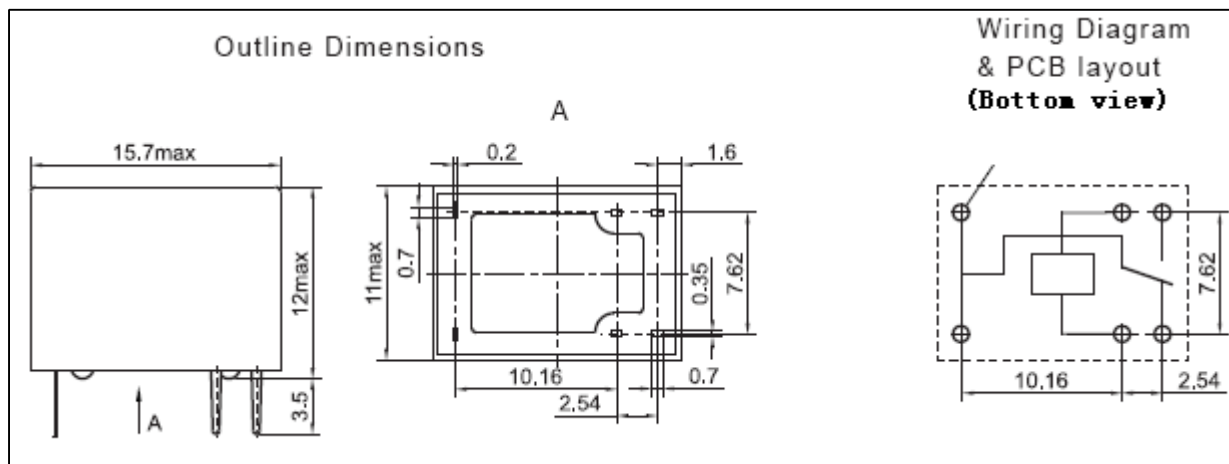
## SIGNAL RELAY--T4100

安徽天仁集团精密电子有限公司

Anhui Tianren Electronics Co., Ltd.

### Outline Dimensions, PCB Layout and Wiring Diagram

(Dimensions are in millimeters , to convert millimeters to inches divide by 25.4)



### Reference data

