FORWARD RELAYS



NT74

40019280 c **N**° us E158859

Patent No.: 200720107522.7

Features

- Small size, lightweight.
- Low coil consumption.
- PC board mounting.
- Suitable for household electrical appliances, automation system, electrical equipment, instrument, meter telecommunication facilities and remote control facilities.

Ordering Information							
<u>NT74</u>	<u>1C</u>	<u>S</u>	<u>10</u>	DC12V	N	$\underline{\mathbf{G}}$	
1	2	3	4	5	6	7	
1 Part number:NT74 2 Contact arrangement:1A:1A;1C:1C;C2:1C2; 2A:2A;2B:2B;2C:2C 3 Enclosure:S: Sealed type; Z: Dust cover							4 Contact rating:1A,1C:8A,10A/250VAC 30VDC; 2A,2B,2C:5A/250VAC 30VDC 5 Coil rated voltage(V):DC:5,6,9,12,18,24,48,60 6 Contanct material: N: AgNi; S:AgSnO ₂ 7 Contact plating: Nil:Standard; G:Gold plated

Contact Data

Contact Arran	gement	1A (SPSTNO) 1C (SPDT(B-M)) 1C2 (SPDT(B-M)			
		2A (DPSTNO) 2B(DPSTNC) 2C (DPDT(B-M))			
Contact Mater	ial	AgNi AgSnO ₂			
Contact Rating	g (resistive)	1A,1C,1C2:8A,10A/250VAC,30VDC 2A,2B,2C:5A/250VAC,30VDC			
Max. Switchin	g Power	1A,1C,1C2:300W 2500VA 2A,2B,2C:150W 1250VA			
Max. Switchin	g Voltage	440VAC 125VDC	Max. Switching Current:10A		
Contact Resis	tance or Voltage drop	<100mΩ	Item 4.12 of IEC 61810-7		
Operational	Electrical	10 ⁵	Item 4.30 of IEC 61810-7		
life	Mechanical	10 ⁷	Item 4.31 of IEC 61810-7		

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance $\Omega \pm 10\%$	Pickup voltage VDC(max) (70%of rated	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption	Operate Time ms	Release Time ms
	raiou	IVIOX.		voltage)	voltage)			
005-220	5	6.5	113	3.5	0.5	0.22	≤10	≪5
006-220	6	7.8	164	4.2	0.6	0.22		~3
009-230	9	11.7	360	6.3	0.9	0.00	<10	≪5
012-230	12	15.6	620	8.4	1.2	0.23	≤10	% 3
018-250	18	23.4	1295	12.7	1.8	0.05	-10	/5
024-250	24	31.2	2350	16.8	2.4	0.25	≤10	≪5
048-290	48	62.4	8000	33.6	4.8	0.00	-10	75
060-290	60	78	12500	42	6.0	0.29	≤10	≪5

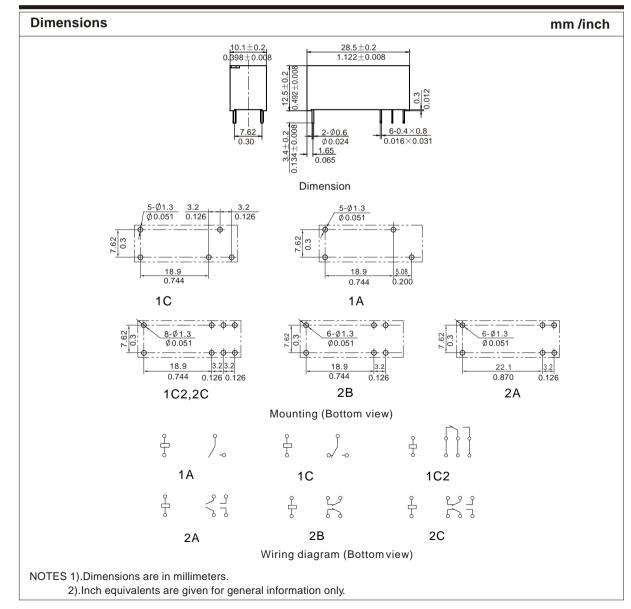
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay. 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 61810-5	
Dielectric Strength			
Between contacts	50Hz 1000V 1min	Item 6 of IEC 61810-5	
Between contact and coil	50Hz 5000V 1min	Item 6 of IEC 61810-5	
Between contact sets	50Hz 2500V 1min	Item 6 of IEC 61810-5	
Shock resistance	functional: 980m/s ²	IEC68-2-27 Test Ea	
	survival: NO:98m/s ² NC:49m/s ²		
Vibration resistance	10~55Hz double amplitude NO: 1.65mm	IEC68-2-6 Test Fc	
	(no coil voltage) NC: 0.8mm		
Terminals strength	10N	IEC68-2-21 Test Ua1	
Solderability	235℃ ± 2℃ 3 ± 0.5s	IEC68-2-20 Test Ta method 1	
Ambient Temperature	-40℃~85℃		
Relative Humidity	35%~85% (at 40℃)	IEC68-2-3 Test Ca	
Mass	8g		

Safety approvals

Safety approval	UL&CUR	VDE	
Load	1A,1C,1C2:8A,10A/250VAC,30VDC 2A,2C:5A/250VAC,30VDC	8A/250VAC	



Ningbo Forward Relay Corporation LTD. ______100