

TRD-N ,TRD-NT
TRD-ND ,TRD-NTD
CRD-N ,CRD-NT


- Specially designed for induction motor starting
- Change time (0.1~1.0sec) from star to delta upon clients' request (TRD-N/NT, CRD-N/NT)
- Star to delta change time from 0 to 1s variable (TRD-ND, TRD-NTD)
- Short reset time, suitable for fast repeat operating
- Operating voltage optional from AC 110V to AC 480V
- Two timing ranges 30sec or 60sec

SPECIFICATIONS

MODEL		TRD-N	TRD-NT	TRD-ND	TRD-NTD	CRD-N	CRD-NT
FULL TIME RANGE		10S, 30S, 60S					
CHANGE TIME		Standard: 0.1s		Variable 0-1.0s		Standard: 0.1s	
RATED VOLTAGE		AC(V): 110, 220, 240, 380, 415, 440, 480 50/60Hz					
INDICATOR OPERATING		⌋-△ two Indicator Lamp					
o/p C O N T A C T	TIME LIMIT 1C	5A 250VAC Resistive Load					
	TIME LIMIT 2C	---					
	INSTANTANEOUS 1C	5A 250VAC Resistive Load					
L I F E	MECHANICAL	5×10^6 times					
	ELECTRICAL	10^5 times					
RESET TIME		0.1 sec max					
CONSUMED POWER		3VA					
AMBIENT TEMPERATURE		-10℃~+55℃					
AMBIENT HUMIDITY		45~85%RH					
WEIGHT		Approx. 210g				Approx. 160g	

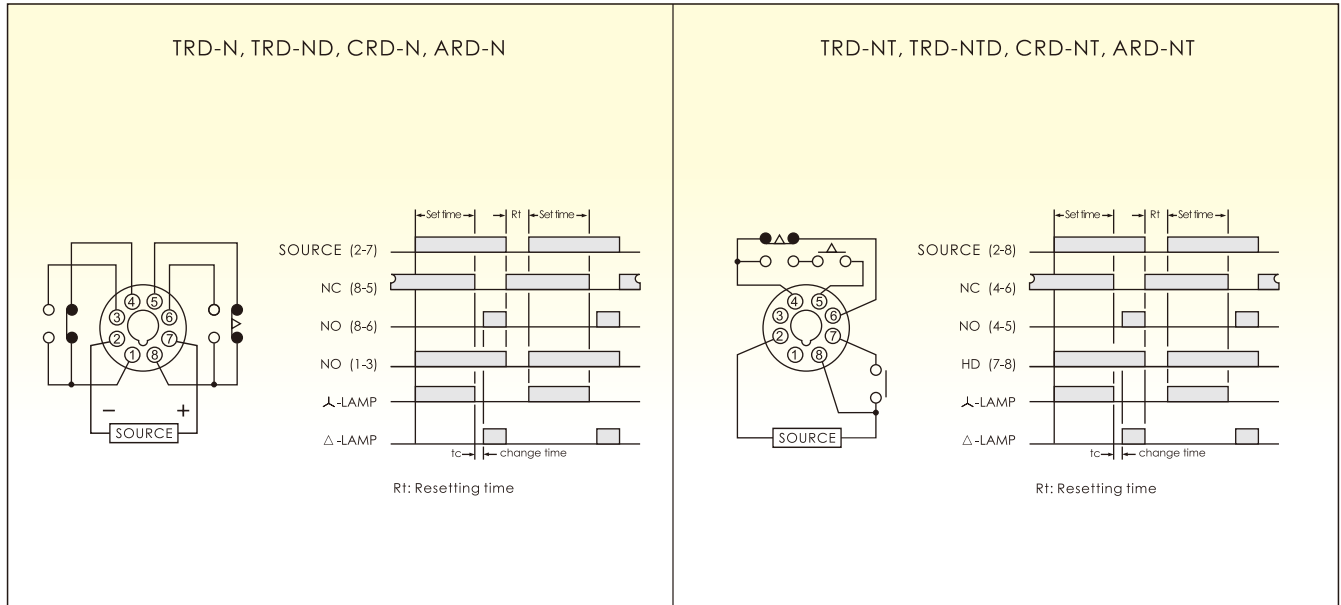


- Specially designed for induction motor starting
- Star to delta change time from 0 to 1s variable
- Short reset time, suitable for fast repeat operating
- Operating voltage optional from AC 110V to AC 480V
- Two timing ranges 30sec or 60sec switchable

SPECIFICATIONS

MODEL		ARD-N	ARD-NT
FULL TIME RANGE		30S, 60S Switchable	
CHANGE TIME		Variable 0-1.0s	
RATED VOLTAGE		AC (V): 110, 220, 240, 380, 415, 440, 480 50/60Hz	
INDICATOR OPERATING		△ (Green) - △ (Red) bi-color Indicator Lamp	
o/p C O N T A C T	TIME LIMIT 1C	5A 250VAC Resistive Load	
	TIME LIMIT 2C	---	
	INSTANTANEOUS 1C	5A 250VAC Resistive Load	
L I F E	MECHANICAL	5×10^6 times	
	ELECTRICAL	10^5 times	
RESET TIME		0.1 sec max	
CONSUMED POWER		3VA	
AMBIENT TEMPERATURE		$-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$	
AMBIENT HUMIDITY		45~85%RH	
WEIGHT		Approx. 165g	

CONNECTION DIAGRAMS & TIMING CHARTS

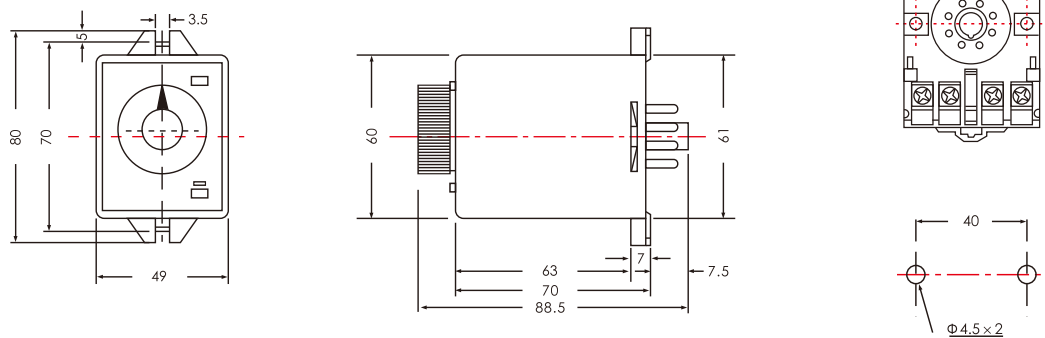


DIMENSIONS

Surface Mounting (N Type) : Using 8PFA Socket

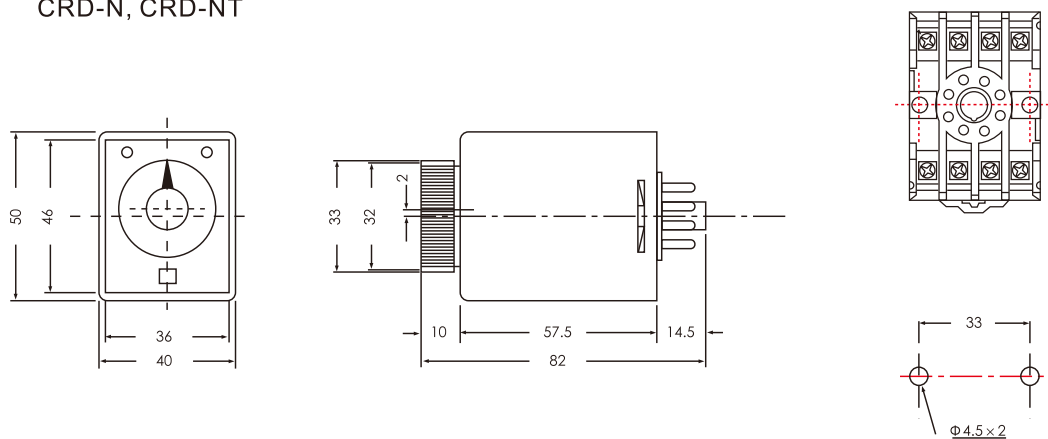
Units: mm

TRD-N, TRD-NT, TRD-ND, TRD-NDT



Surface Mounting (N Type) : Using PF085A,PF085A-E Socket+SH-3 Hook

CRD-N, CRD-NT

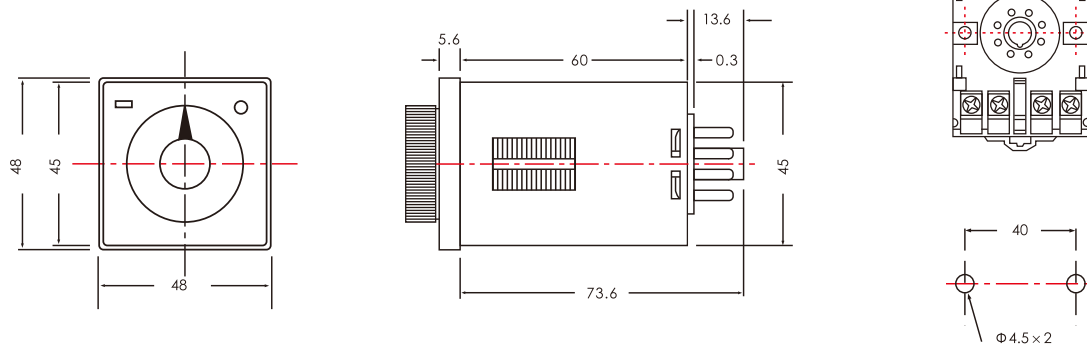


DIMENSIONS

Surface Mounting (N Type) : Using P2CF-08 or PF085A,PF085A-E Socket

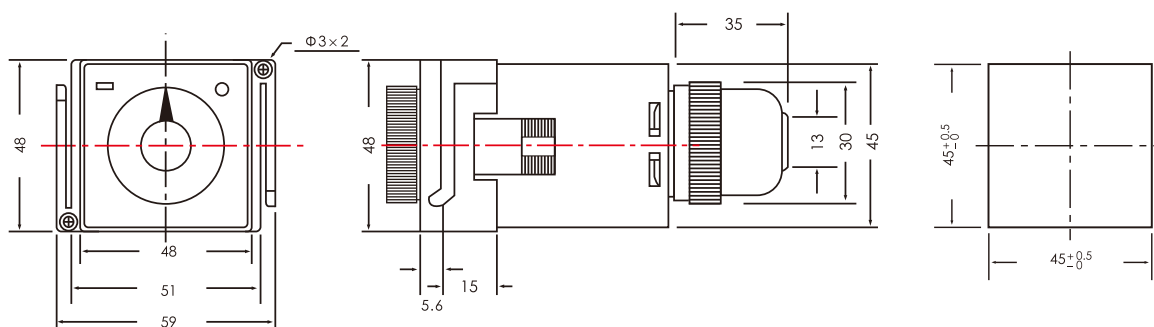
Units: mm

ARD-N, ARD-NT



Flush Mounting (Y Type) : Using Y-50 Adapter+US-08 or P3G-08,P3G-08E Socket

ARD-N, ARD-NT & Y-50



ANV ELECTRIC CO., LTD.

Kaohsiung Headquarter

No. 151, Jin Shan Road, Kaohsiung, Taiwan
Tel :+886 7 359 5833 Fax :+886 7 359 5822
E-Mail : anv@anv.com.tw

Taipei Office

No. 166, Fu Xing 3rd Street, Taishan Dist.,
New Taipei City, Taiwan
Tel :+886 2 2296 3133 Fax :+886 2 2296 3233
E-Mail : taipei@anv.com.tw

Tainan Office

No. 60, Lin Sen Road Sec. 1, Tainan, Taiwan
Tel :+886 6 216 0988 Fax :+886 6 216 0388
E-Mail : tainan@anv.com.tw

ANV ELECTRIC (HK) LTD

Flat 4, 14/F., Block 4, Wai Wah Centre,
Shatin, N.T., Hong Kong
Tel :+852 2690 2588 Fax :+852 2690 2511
E-Mail : anv@anv.com.hk

Taichung Office

No. 532, Wen Hsin Road Sec. 1, Taichung, Taiwan
Tel :+886 4 2320 9930 Fax :+886 4 2320 9960
E-Mail : taichung@anv.com.tw

ANV ELECTRIC (M) SDN. BHD

25-1, Jalan 1/116B, Kuchai Entrepreneur's Park,
Off Jalan Kuchai Lama, 58200 Kuala Lumpur, Malaysia
Tel :+60 3 7980 3328 Fax :+60 3 7980 3779
E-Mail : anv@anv.com.my