



# STAR-DELTA TIMER TSDT-N

## CHARACTERISTICS

- Specially designed for induction motor starting.
- Change time (0.1-0.5 sec) from star(λ) to delta (Δ) is according to the requirement of the user.
- Short release time, suitable for fast repeat operating.
- Operating voltage optional from AC 110V to AC 440V.
- Two timing ranges: 30 sec. or 60 sec.



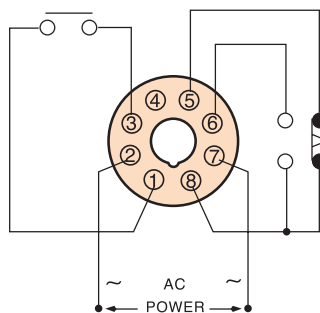
## CHARACTERISTICS

REPEAT ACCURACY	Less than $\pm 1\%$ of full scale
EFFECT OF VOLTAGE	Less than $\pm 1.0\%$
EFFECT OF TEMP.	Less than $\pm 2\%$ at 20°C
SETTING ACCURACY	Less than $\pm 10\%$ of full scale
RESET TIME	Less than 0.3 Sec.
INSULATION RESIS.	Over 50 MΩ (DC500V)
DIELECTRIC	AC 2000V one Min.
VIBRATION	Incorrect operate 10-55Hz 0.3mm.
RESISTANCE	Durability 10-55Hz 0.5mm.
LIFE	MECHANICAL 5,000,000 times ELECTRICAL 200,000 times

## SPECIFICATIONS

RATED VOLTAGE	AC 110V, 220V, 380V, 415V, 440V.
RATED FREQUENCY	50/60Hz.
OPERATING VOLTAGE	AC 80-110% of rated voltage.
CONSUMED POWER	About 3VA for AC.
CONTROL METHOD	Time-limit operator Self-resetting
CONTACT RATING	AC 250V 5A. (p.f. = 1)
AMBIENT TEMP.	-10°C ~ +55°C
AMBIENT HUMIDITY	45 ~ 85% RH

## CONNECTION DIAGRAM



## OPERATION TIME CHART

