

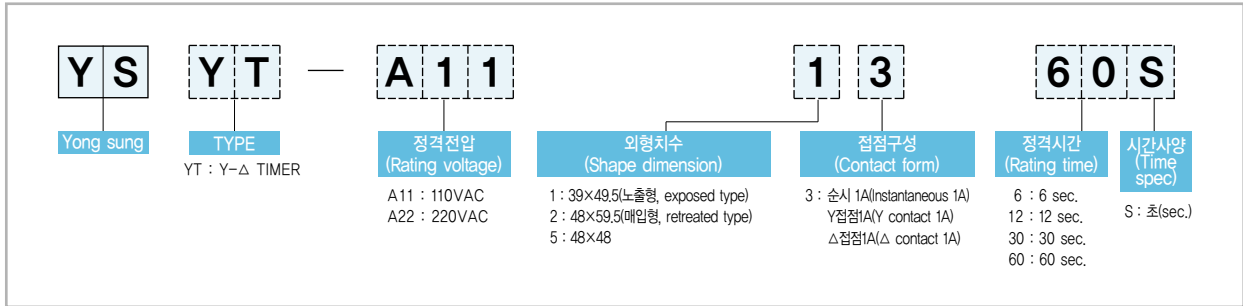
## 12-2

# Y-Δ 타이머 Y-Δ TIMER

Y-Δ 시동회로의 경제설계에 활용

Y-Δ suitable for economical design of starting circuit

### 형식 구분도 | Type Classification Diagram



### 특징 | Features

- Timer 전용 LSI를 이용한 고신뢰성 Y-Δ Timer입니다.
- 6초~60초의 광범위한 시간 사양입니다.
- 출력부는 고신뢰성의 Power Relay를 사용하였습니다.
- 절환시간 Motor시동에 최적
- PLC 응용회로에 적합
- 절환시간 0.1s, 0.25s, 0.5s 선택
- Y-Δ 동작시간이 표시등으로 확실히 표시됩니다.
- This is high reliability Y-Δ timer using timer exclusive LSI.
- Wide time spec. of 6~60sec.
- Power relay installed in output part for high reliability.
- The most suitable for motor starting of transfer time.
- Fitted to PLC Circuit.
- Time transfer available (0.1s, 0.25s, 0.5s)
- Y-Δ operating time is exactly indicated by pilot lamp.

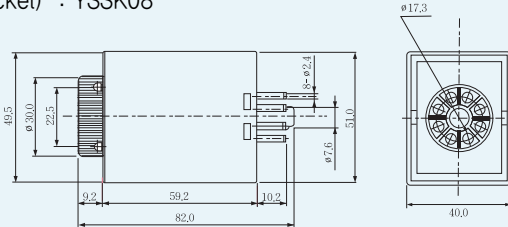
### 성능 개요 | Shape / Dimension Drawing

반복오차 (Repetition error)	정격시간의 ±0.5% (±0.5% in rating time)	
Set 오차 (Set error)	정격시간의 ±5% (±5% in rating time)	
Relay 접점정격 (Relay Contact rating)	AC220V 3A (Resistance Load)	
기계적수명 (Mechanical lifetime)	above 5,000,000 times	
허용전압변동범위 (Allowable voltage variation range)	정격전압의 ±10% (±10% in rating voltage)	
전압오차 (Voltage error)	below ±0.5%	
사용주위온도 (Ambient temperature)	-25°C ~ +40°C	
온도오차 (Temperature error)	below ±2%	
사용주위습도 (Ambient humidity)	45 ~ 85% RH	
내전압 (Withstand voltage)	전기회로대지 (Electric circuit earth)	AC 2,000V/min
	독립회로상호간 (Between each circuits)	AC 1,500V/min
	접점 gap 간 (Between contact gaps)	AC 1,000V/min
절연저항 (Insulation resistance)	above 100MΩ (DC500V. Meg)	
내진동 (Withstand vibration)	16.7Hz double amplitude 4.0mm	
내충격 (Withstand impact)	30G	
소비전력 (Power consumption)	기술자료 17-3 참조 (Refer to Technical Data 17-3)	

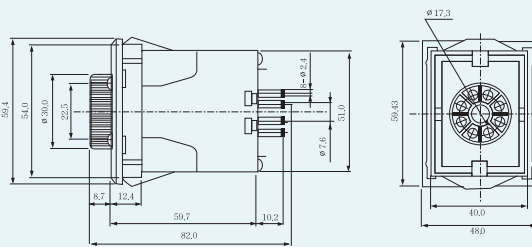
외형 / 치수도 | Shape / Dimension Drawing | (unit : mm)



※ 적용 소켓 (Applied Socket) : YSSK08



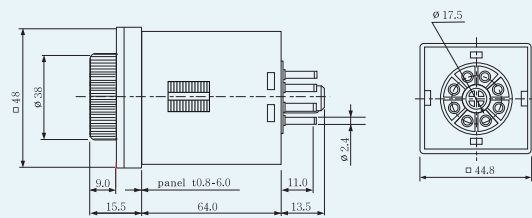
※ 적용 소켓 (Applied Socket) : YSSK08



※ 노출형과 동일제품이니 매입형으로 사용시는 Bracket를 별도 구입 바랍니다.  
(If you need the retreated type, purchase the bracket separately please.)



※ 적용 소켓 (Applied Socket) : YSSK08F



접속도 / 동작 Pattern | Connection Diagram / Operating Pattern |

형식 (Type)	접속도 (Connection diagram)	동작 (Operating pattern)
YSYT	<p>Connection diagram for YSYT timer. It shows 8 terminals labeled 1 through 8. Terminals 1, 2, 3, and 4 are connected to a power source. Terminals 5, 6, 7, and 8 are connected to a load. A Y contact is shown between terminals 5 and 6, and a <math>\Delta</math> contact is shown between terminals 8 and 6. The power source is labeled 'POWER'.</p>	<p>Operating pattern diagram for YSYT timer. It shows the timing of various contacts over three time intervals: T1 (가변시간), T2 (절환시간), and T3 (유지시간). The contacts and their timing are:         <ul style="list-style-type: none"> <li>입력(Power) (2-7): Active during T1, T2, and T3.</li> <li>순시접점(Instantaneous contact) (1-3): Active during T1.</li> <li>Y Star contact (8-5): Active during T1 and T2.</li> <li><math>\Delta</math> Delta contact (8-6): Active during T3.</li> <li>Star operation indicator: Active during T1.</li> <li>Delta operation indicator: Active during T3.</li> </ul> </p> <p>T1:가변시간, T2:절환시간 - 0.1s,0.25s,0.5s 선택, T3:유지시간 (T1:variable time, T2:Change time - 0.1s,0.25s,0.5s T3:maintenance time)</p>