



# TIMER



■ **Features:**

- Using CMOS IC, Accurate and stable operation.
- High repeat accuracy  $\pm 1\%$ .
- Short resetting time-100 msec. ax.
- Two LED's provides status indication, for power ON and time UP.
- Wide variety of type-14 time ranges. (0.1 sec. to 10 hrs.)
- Standard surface mounting could be easily converted into flush mounting by adding a special adaptor. (Type Y-40)

■ **Available Types**

MOUNTING	Surface Mounting	AH3-1	AH3-2	AH3-3
	Flush Mounting	with Y-40	with Y-40	with Y-40
CONTROL OUTPUT	Time-limit contact	SPDT (5A)	DPDT (5A)	SPDT (5A)
	Instantaneous contact	---	---	SPST-NO (5A)
Connection & Timing Chart		①	②	③

■ **Specifications**

OPERATING VOLTAGE	AC: 85-110% DC: 80-110% AC 85-110% of rated voltage. DC 80-110% of rated voltage.
RATED VOLTAGE	AC 110V, 220V, 240V, 50/60Hz. DC 12V, 24V
CONSUMED POWER	AC: 2VA DC: 2W About 2VA for AC. About 2W for DC.
CONTROL METHOD	Time-limit operation Self-resetting.
CONTACT RATING	AC 120V 5A.(p.f. = 1)
AMBIENT TEMP	-10°C - +55°C
AMBIENT HUMIDITY	45 - 85% RH

■ **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 0.1 Sec.	
INSULATION RESIS.	Over 50M $\Omega$ (DC500V)	
DIELECTRIC	AC 2000V one Min.	
WEIGHT	Approx. 160G.	
SHOCK RESISTANCE	Incorrect operate 10G.	
LIFE	MECHANICAL	5,000,000 operations.
	ELECTRICAL	100,000 operations at rated load.
VIBRATION RESISTANCE	Incorrect operate 10-55Hz 0.3mm. Durability 10-55Hz 0.5mm.	

■ **Time Range**

Rated time	Time setting Range	Operating Voltage
1S	0.1S - 1S	DC 12V
3S	0.3S - 3S	
6S	0.6S - 6S	
10S	1S - 10S	DC 24V
30S	3S - 30S	
60S	6S - 60S	AC 110V 50/60Hz
3M	10S - 180S	
6M	20S - 6M	
10M	30S - 10M	AC 120V 50/60Hz
30M	2M - 30M	
60M	3M - 60M	AC 220V 50/60Hz
3H	10M - 3H	
6H	20M - 6H	
10H	30M - 10H	AC 240V 50/60Hz

■ **Type** ■ **Connection Diagram**

