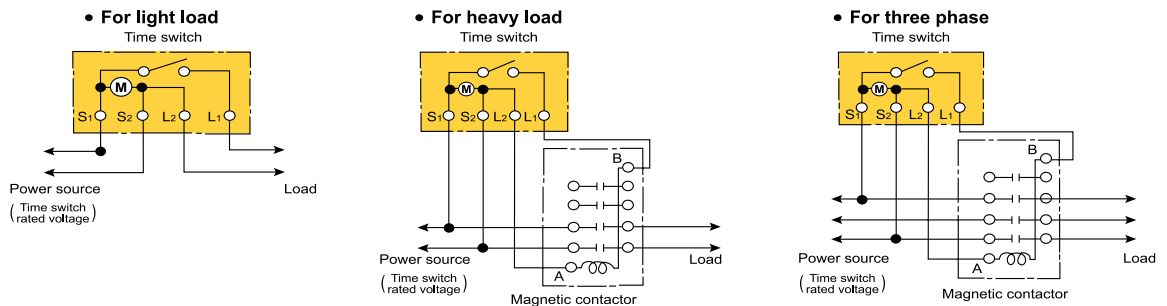




## WIRING CONNECTION DIAGRAM

When the time switch is used for loads exceeding the rated capacity, it is imperative that time switch be used in combination with one or more magnetic contactors according to each load.



When the time switch is used with a heater, it is imperative that the load circuit be protected by a thermo-switch.

Item No.	TB35-RP		TB35N-RP	TB330-RP	
Picture					
			Back up battery for 100 hours when power failure.	Back up battery for 150 hours when power failure.	
Rated Voltage	110V/AC	220V/AC	100-240V/AC	100-240V/AC	
Voltage tolerance	85-120V	170-240V	85-264/AC	85-264/AC	
Frequency	50/60Hz (selectable)		50/60Hz (common use)	50/60Hz (common use)	
Driving method	Synchronous motor		Quartz controlled stepping motor	Quartz controlled stepping motor	
Cycle	24 hours		24 hours	24 hours	
OUTPUT	Circuit Quantity	1 circuit	1 circuit	1 circuit	
	Switch construction	SPST (— $\sigma$ —)	SPST (— $\sigma$ —)	SPST (— $\sigma$ —)	
	Manual ON/OFF	ON/AUTO/OFF switch	ON/AUTO/OFF switch	ON/OFF switch	
	Contact Capacity	Resistive load	250V AC 20A	250V AC 15A	250V AC 30A
		Incandescent lamp	10A	10A	25A
		Inductive (cos $\phi \geq 0.7$ )	12A	12A	12A
Motor(cos $\phi \geq 0.7$ )		110V AC 750W, 220V AC 1500W	110V AC 750W, 220V AC 1500W	110V AC 1500W, 220V AC 3000W	
Operation time setting	Present time setting	Turn the Minute control knob in the center clock	Turn the Minute control knob in the center clock	Turn the Minute control knob in the center clock	
	Minimum unit	15 Minutes / unit	15 Minutes / unit	15 Minutes / unit	
	Minimum interval	15 Minutes	15 Minutes	30 Minutes	
	No. of ON/OFF operations	96 operations	96 operations	Standard 6 operations Maximum 48 operations are possible	
Working reserve time	--		100 hours	150 hours	
Ambient temperature	-10°C ~ +50°C		-10°C ~ +50°C	-10°C ~ +50°C	

## CAUTIONS

- For the first time, please charge battery first for till running (hear DI DA sound) before setting time. (TB35N-RP, TB330-RP only)
- To set the correct time, turn the dial in the direction of the arrow (clockwise) and set the present time.
- Please observe the rated voltage and voltage tolerance of the time switches for adequate use.
- If the load capacity exceeds the rating, an electromagnetic switch is required.

## DIMENSIONS (mm)

