



# APT-6S / APT-6SB

## WEEKLY PROGRAMMABLE TIMER

### User's Manual

#### SAFETY PRECAUTION

This manual uses the following symbols to ensure safe operation of this timer.

**WARNING**

Warnings are indicated when mishandling this controller might result in death or serious injury to user.

**CAUTION**

Cautions are indicated when mishandling this controller might result in minor injury to the user, or only physical damage to the timer.

#### WARNING

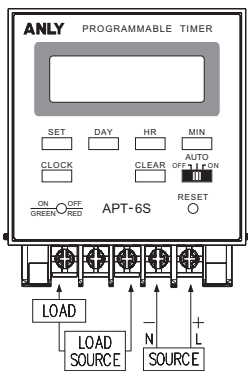
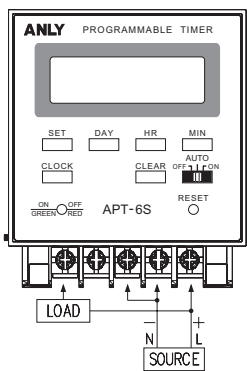
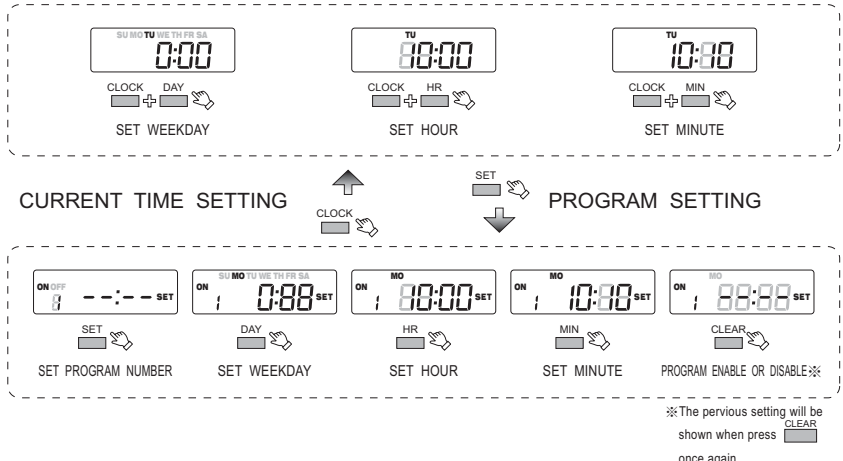
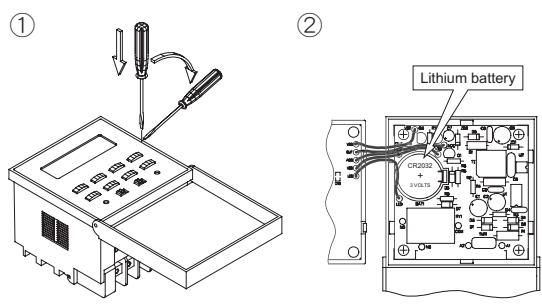
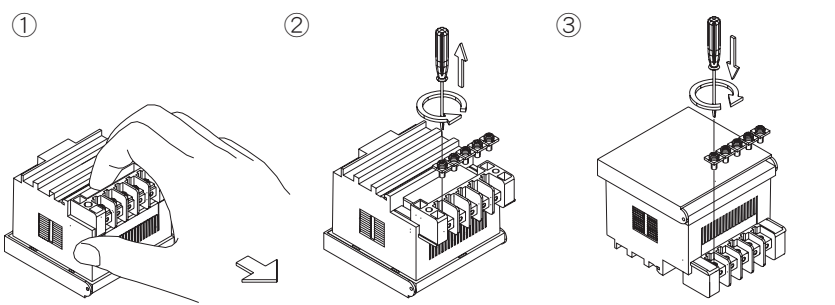
- Note this incorrect wiring of this controller can damage it and lead to other hazards. Make sure the controller has been correctly wired before turning the power ON.
- Before wiring, or removing / mounting the controller, be sure to turn the power OFF. Failure to do so might cause electric shock.
- Do not touch electrically charged parts such as the power terminals. Doing so might cause electric shock.
- Do not disassemble the controller. Doing so might cause electric shock or faulty operation.

#### CAUTION

- Use the controller within the operating ranges recommended in the specification (temperature, humidity, voltage, shock, mounting direction, atmosphere and etc.). Failure to do so might cause fire or faulty operation.
- Firmly tighten the terminal screws. Insufficient tightening of terminal screws might cause electric shock or fire.
- Press reset before use after removing the insulation sheet or replace the battery.

#### RESTRICTIONS ON USE

When using this product in applications that require particular safety or when using this product in important facilities, please pay attention to the safety of the overall system and equipment. Install fail-safe mechanisms, perform redundancy checks and periodic inspections and adopt other appropriate safety measures when it is necessary. This product is rated at Class II □.

SPECIFICATION		BUTTON and SWITCH FUNCTIONS	
Operating voltage	AC/DC : 12 ~ 48V / AC/DC : 100 ~ 240V	• <b>SET</b> : Program setting (ON/OFF)	• <b>OFF</b> : Output contact is disabled
Allowable operating voltage range	85 ~ 110% of rated operating voltage	• <b>CLOCK</b> : Current time setting	• <b>ON</b> : Output contact is enabled
Rated frequency	50 / 60 Hz	• <b>DAY</b> : Weekday setting	• <b>AUTO</b> : Output contact is controlled by program setting
Contact rating	240VAC 7A(N.O.), 240VAC 5A(N.C.) Resistive load	• <b>HR</b> : Hour setting	
Indicator operating	POWER - Red / RELAY ON - Green	• <b>MIN</b> : Minute setting	※When switch to Auto mode from ON or OFF, output contact will be kept in the previous mode. Than, output contact will be controlled by program setting.
Power consumption	Approx. 3.3VA	• <b>CLEAR</b> : Clear setting	
Life	Mechanical : 5,000,000 times / Electrical : 100,000 times	• <b>RESET</b> : Program reset	
Ambient temperature	-10 ~ +50 °C		
Ambient humidity	MAX 85% RH		
Weight	Approx. 170g		
CONNECTION		OPERATING FLOWCHART	
<p>• When APT and the load have separate power source</p> <p><b>N Type</b></p>  <p><b>N Type</b></p> 		 <p>↑ CURRENT TIME SETTING</p> <p>↓ PROGRAM SETTING</p> <p>※The previous setting will be shown when press CLEAR once again.</p>	
BATTERY CHANGE		CONVERT Y TYPE (Flush Mounting) TO N TYPE (Surface Mounting)	
			
BEFORE USE		CONVERT N TYPE (Surface Mounting) TO Y TYPE (Flush Mounting)	
<p>Press reset before use after removing the insulation sheet</p> 