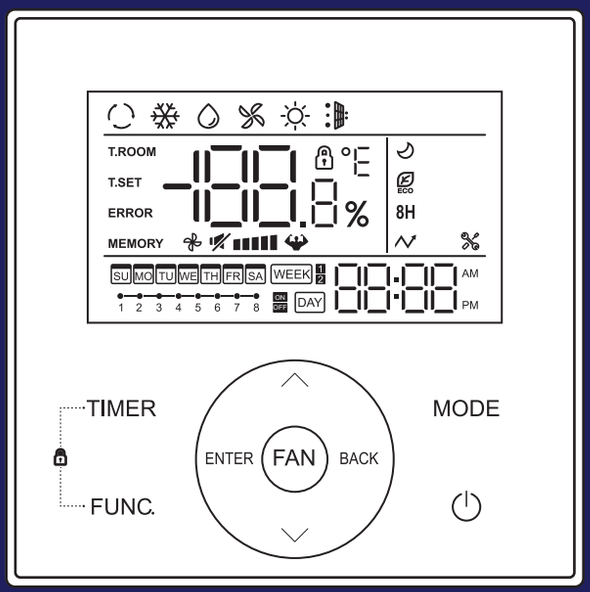
DELLA®



Central AC (T) Series

Thermostat Controller

Instruction Manual
Installation and Operation Guide

DELLA®

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Warning and Safety

- Read this guide before installation. Failure to follow the safety instructions may result in property damage, serious injury, or death.
- Please Keep this manual.

DANGER

Danger:
Indicates an IMMINENTLY hazardous situation that, if not avoided, will result in death, serious injury, or serious property damage.

WARNING

Warning:
Indicates an POTENTIALLY hazardous situation that, if not avoided, will result in death, serious injury, or serious property damage.

CAUTION

Caution:
Indicates an POTENTIALLY hazardous situation that, if not avoided, will result in minor to moderate injury. It may also be used to indicate unsafe practice.

Attention:
Pay additional attention to the instruction.

DO NOT:
Indicates prohibited actions and / or practice.

About Installation

WARNING

- Do not install the thermostat controller at places where it may contact with oil, vapor, grease, or sulfreted gas.
- Do not install the thermostat controller at places where it might be vulnerable to leakage of flammable gases to minimize fire hazard.

CAUTION

- The thermostat controller should be properly affixed on the wall.
- Carry out a test run after the installation.

About Power and Electricity

WARNING

- Specified cables and wires should be used in the wiring.
- Ensure that the power voltage corresponds to that stamped on the rating plate. The controller works in low voltage loop circuit. Do not connect the controller to high voltage cables that carries 110v or 220v.
- The controller must be properly grounded.
- Do not install or operate the thermostat controller with wet hands to prevent electric shock.

Encountering Troubles

WARNING

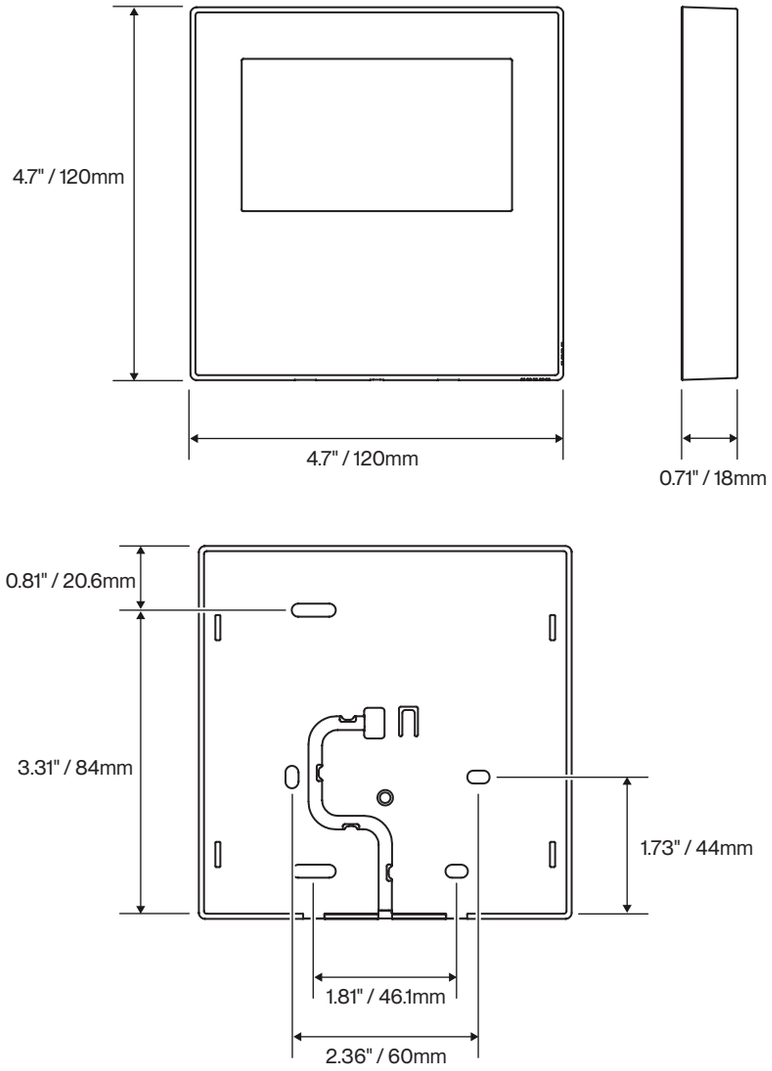
- In the case of the appliance emitting smoke, burning smell, leaking water, or making unusual noise, shut down the appliance and disconnect from the power supply immediately. Contact a qualified technician for inspection and repair.

Installation Info

Specification

	048-T-CTRL
Input Voltage	DC 5V / 12V
Ambient Temperature Range	23°F - 110°F / -5°C - 43°C
Ambient Humidity Range	RH 40% - RH 90%
Wire Type	Shielded vinyl cord / cable
Wire Size	0.5 - 1.25mm²
Wire Length	49ft / 15m

Dimension

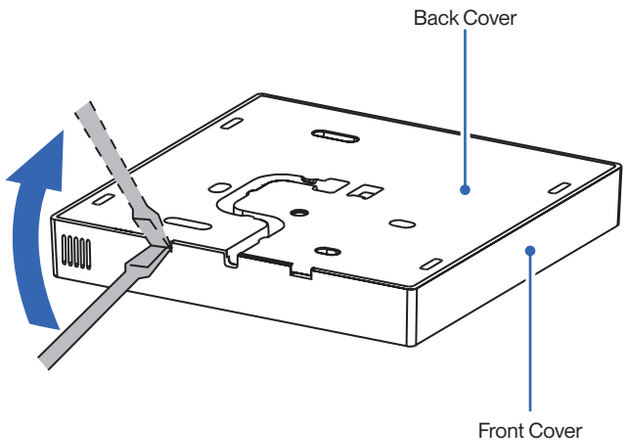


Installation Info

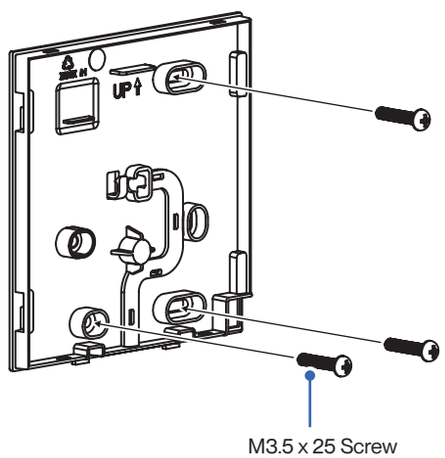
Mounting the Thermostat

1. Use a flathead screwdriver to gently pry apart the back cover and the front cover.
2. Mount the back cover of the thermostat directly on the wall or on a 86 type (86mm x 86mm) switch box.

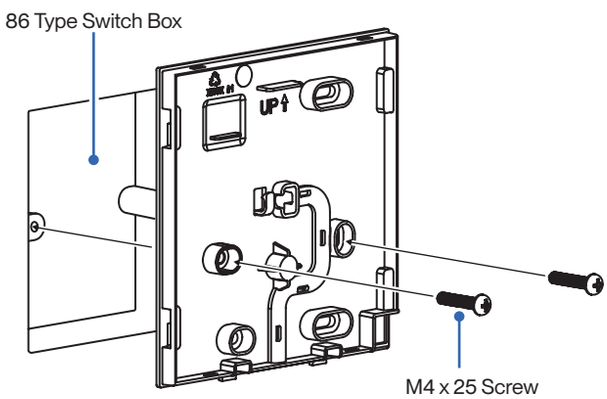
- Be careful when pry open the two halves and not damage the PCB on the front cover.



Mounting on Wall



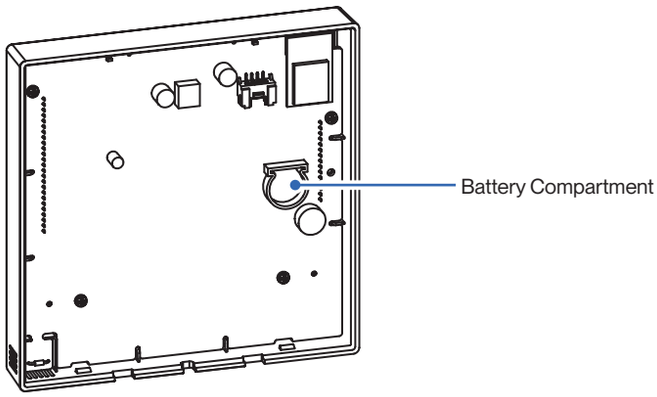
Mounting on 86 Type Switch Box



Installation Info

Backup Battery (Optional)

- Backup battery can be installed into the thermostat's battery compartment.
- Backup batter provides power to the thermostat in case of power failure to ensure time keeping.

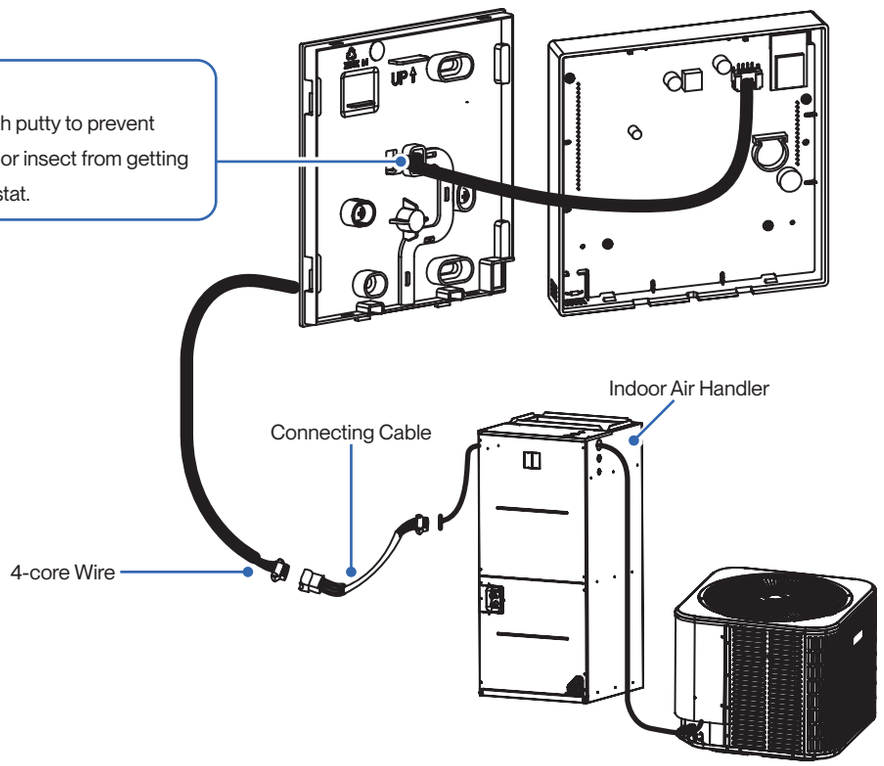


Wiring

1. Connect the wire from the master control board from the indoor air handler unit to a connecting cable, then connect the other side of the connecting cable to the thermostat.
2. Seal the gap between the wire and the opening on the thermostat's back cover with putty to prevent moisture, water, or insect from getting into the thermostat.

- The conection lug at the end of the shielded wire should be properly grounded.

- Seal the gap with putty to prevent moisture, water, or insect from getting into the thermostat.

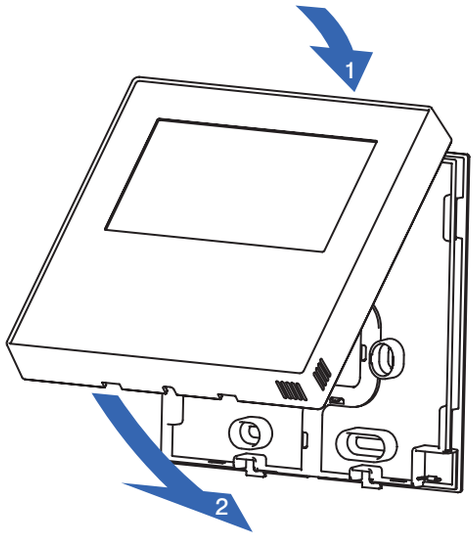


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Installation Info

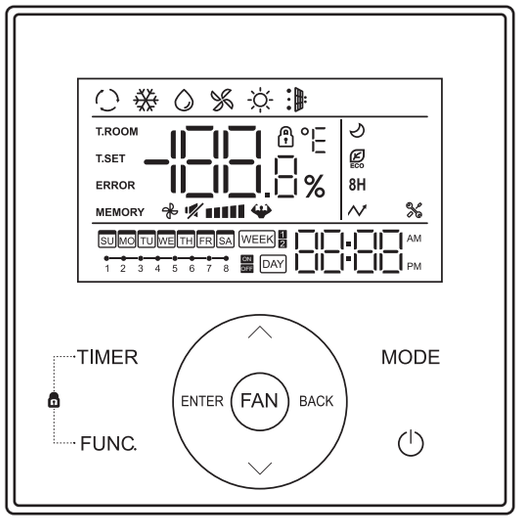
Finishing the Installation

1. Arrange the wire between the front and back cover.
2. Reattach the front cover to the back cover. Make sure the cover click into place.



Basic Operation

Thermostat Display



LED Indicator	Function
	Auto Mode
	Cool Mode
	Dry Mode
	Fan Mode
	Heat Mode
	Dirty Filter Indicator
T.ROOM	Display Showing Room Temperature
T.SET	Display Showing Set Temperature
ERROR	Display Showing Error Code
MEMORY	Power Down Memory
	Child Lock Indicator
	Fan Speed Indicator

LED Indicator	Function
	Sleep Mode
ECO	Eco Mode
8H	8-Degree Heating Function
	Auxiliary Heat
	Parameter Setting
SU	Indicating Week Day Timer Set
1 2 3 4 5 6 7 8	Indicating Hour Timer Set
WEEK	Indicating Week Timer
DAY	Indicating Day Timer
ON OFF	Timer ON / OFF Indicator
AM PM	Clock

Basic Operation

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Basic Operation

Power ON

Press (⏻).

- The air conditioner will turn on.

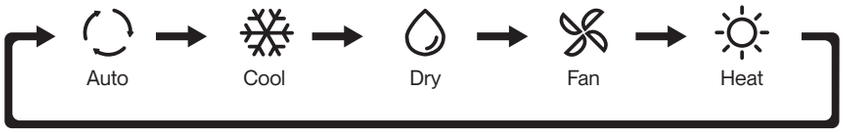
Power OFF

Press (⏻).

- The air conditioner will stop operating.

Select Operation Mode

Press (MODE) to select operation mode.

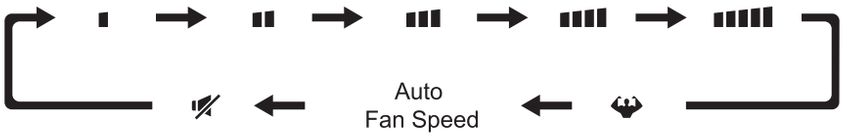


Adjust Temperature

Press  to adjust temperature setting.

Set Fan Speed

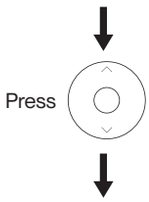
Press (FAN) to select your desired fan speed.



Advance Function

Sleep Mode

Press FUNC.



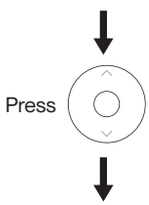
Press until blinks.

Press ENTER to confirm the selected mode / function.

- The air conditioner will operate in a pre-set program which is suitable during sleep.

Eco Mode

Press FUNC.



Press until ECO blinks.

Press ENTER to confirm the selected mode / function.

- The air conditioner will operate with maximum energy efficiency.

Advance Function

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Advance Function

8 Degree Heating

Press (FUNC.).



Press until 8H blinks.

Press (ENTER) to confirm the selected mode / function.

- The air conditioner will operate in heat mode when ambient temperature drop to or is blow 8°C.

Auxiliary Heating

Press (FUNC.).



Press until blinks.

Press (ENTER) to confirm the selected mode / function.

Child Lock

Press (TIMER) and (FUNC.) for 3 seconds to activate child lock. will light up on the display.

To de-activate child lock, press (TIMER) and (FUNC.) for 3 seconds again.

Advance Function

Parameter Setting

Press FUNC.



Press until blinks, press ENTER to enter parameter setting.



Press to choose the parameter / function to set. The display will shows the function code as below:

Function Code	Function	Function Parameter	
P6	Temperature Unit Setting	°F	Degree Fahrenheit
		°C	Degree Celsius
PA	Ambient / Set Temperature	00	Set Temperature
		01	Ambient Temperature
PD	Thermostat button buzzer	ON	Buzzer On
		OFF	Buzzer Off
Pn	Auxiliary Heating Activation Condition Setting	-22°F - 86°F -30°C - 30°C	Set the temperature value to enable auxiliary heating
A8	Backlight Brightness	30 - 100	Brightness Percentage
B3	Air Filter Reminder	ON	Air Filter Reminder On
		OFF	Air Filter Reminder Off
B4	Clock Display Setting	12	12 Hour Format
		24	24 Hour Format
B6	Auxilart Heating in Heat & Auto Mode Setting	ON	Enable by Default
		OFF	Off by Default

Press ENTER to enter function setting, then press to change the setting.



Press ENTER to confirm setting.

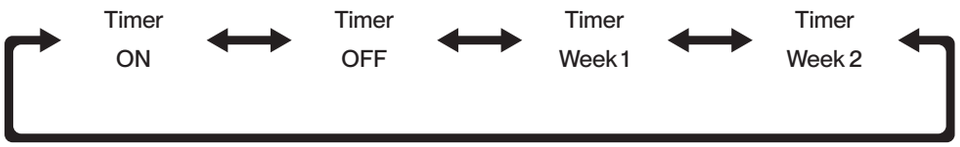
Press to exit parameter setting.

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Advance Function

Timer Setting

Press TIMER and then  to choose the timer function setting.



Week timer 1 allows you to schedule operation time for a week. The AC will turn-on and off on scheduled time with the same mode and temperature setting as the last time it was turned off.

Week timer 2 allows you to schedule operation time for a week. Week timer 2 also support operation mode, temperature setting,and fan speed customization through out the week.

Timer ON (Turn ON Timer)

Timer ON — ON — Press ENTER to confirm.

↓

Set hour value. Press  to adjust, and ENTER to confirm.

↓

Set minute value. Press  to adjust, and ENTER to confirm.

Timer OFF (Shut OFF Timer)

Timer OFF — OFF — Press ENTER to confirm.

↓

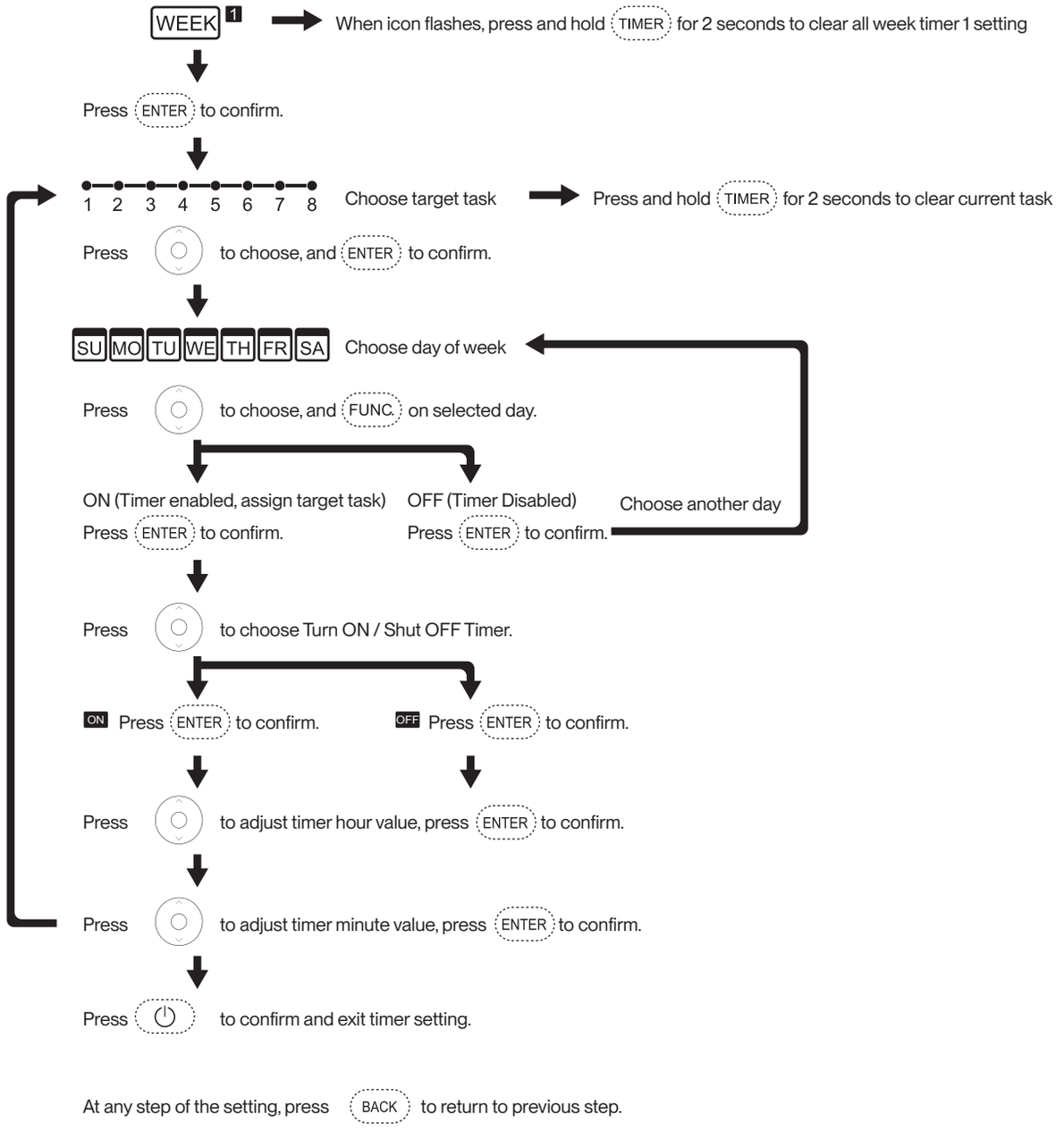
Set hour value. Press  to adjust, and ENTER to confirm.

↓

Set minute value. Press  to adjust, and ENTER to confirm.

Advance Function

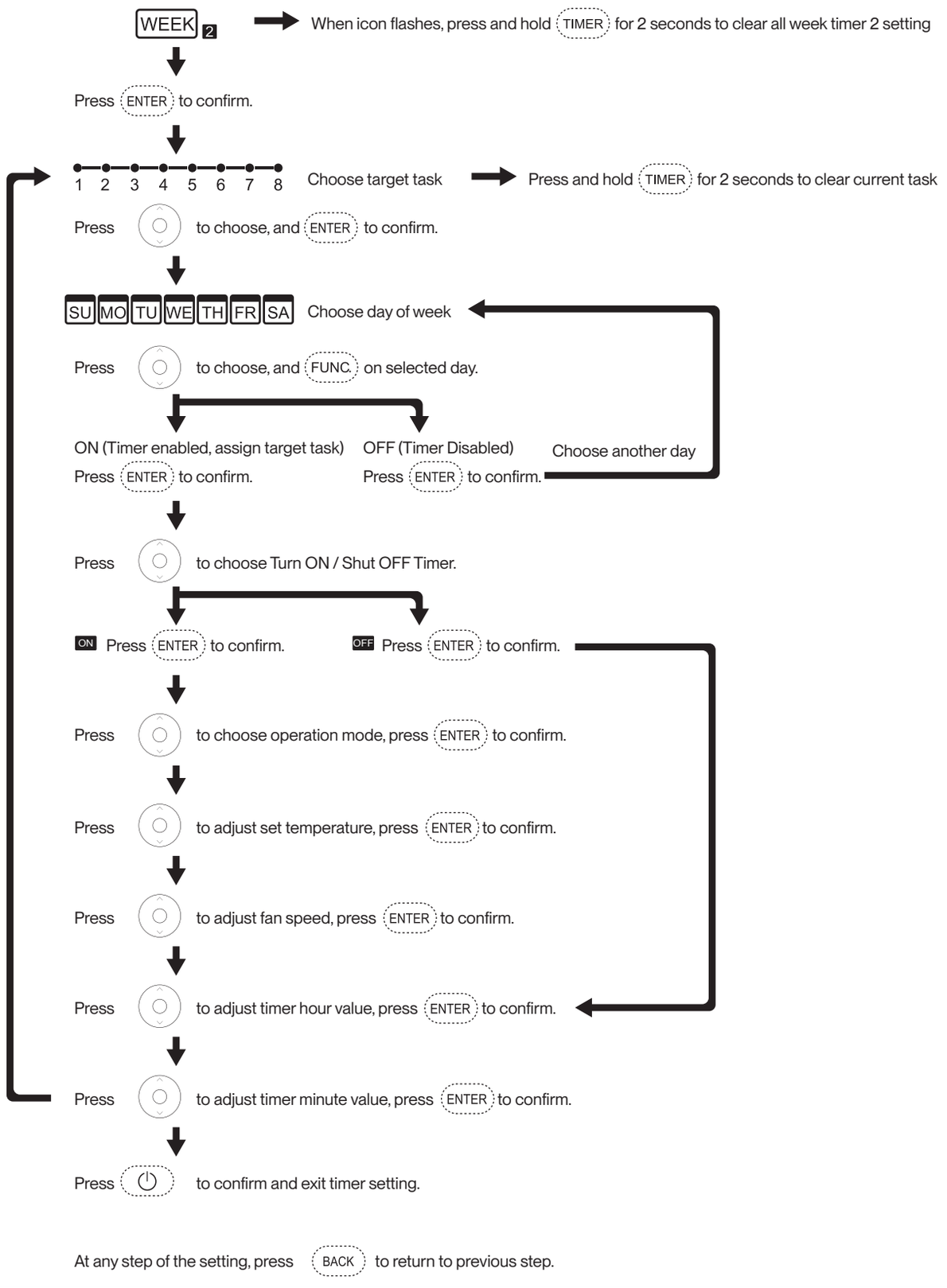
Week Timer 1



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Advance Function

Week Timer 2



Advance Function

Real-Time Timer Setting

Press and hold TIMER for 2 seconds, and the timer display will blink and shows the day of the week.

Press  to select the day of the week, press ENTER to confirm.

Press  to set hour value, press ENTER to confirm.

Press  to set minute value, press ENTER to confirm.

At any step of the setting, press BACK to go back to the previous parameter setting.

Advance Function



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6:00 a.m. – 4:00 p.m. PST Monday – Friday

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