TA670T RT48R

Wireless Thermostat/Controller Pair

Battery powered	AAA re-chargeable
Measuring range	0 ~ 40°C, 0.1°C
Mode of communication	868MHz

Features

- Heating and Cooling modes selectable
- One-to-one wireless pair configuration
- Covers an indoor space of 1600ft^2 (min)
- 3.7" FSTN with backlit
- Touch keys **x5**
- Color and texture of transmitter: gloss white
- Color and texture of receiver: matte cream
- [Optional] UV oxidant-retardant treatment
- Desk-stand and wall-mount bracket included
- Thin profile. 20mm in thickness

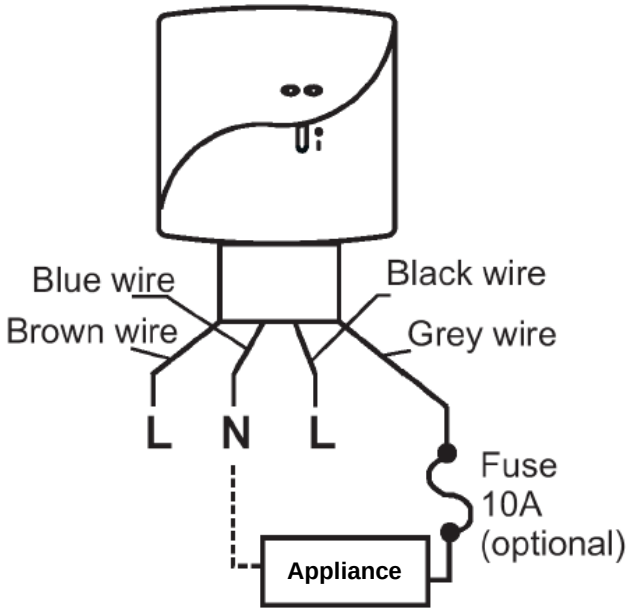
Technical Specification – Transceiver

Measuring temperature	0 ~ 40°C
Measuring accuracy/resolution	± 0.5°C
Sensing Element:	103AT-2B NTC
Rechargeable batteries	AAA 1.5V_{DC} x2
Charging port	USB Type-C
Run-time per full-charge	12 months
Charging time in slow charge mode	10 hours

Technical Specification – Controller

Controlling temperature	5 ~ 35°C
Operating Temperature	0 ~ 50°C
Operating Humidity	5 ~ 95%R.H. non-condensing
Delay / Power protection	10 ~ 600 seconds configurable
Address selection for wireless pairing	512
Input power	230V_{AC}
Output relay	volt-free
Load current	15A max
Terminals	2.5mm^2 wires

Wiring Diagram – Controller



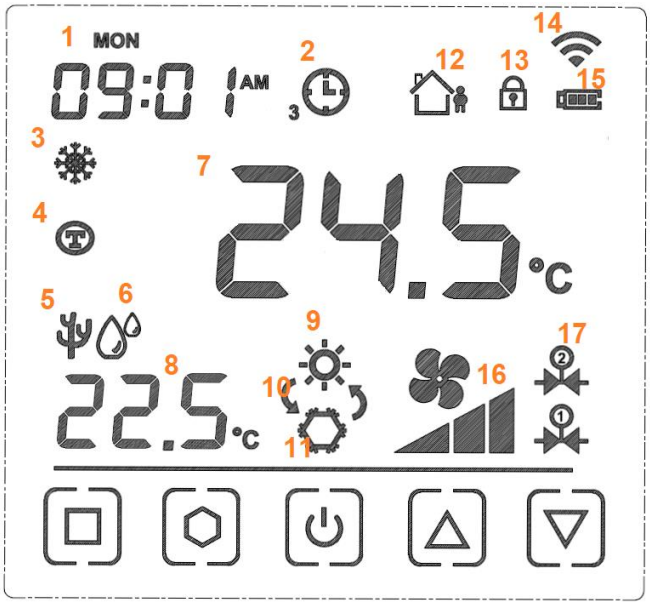
Internal Parameter Menu – Transceiver

#	Items	Selection	Default
P00	System Mode	Cool / Heat (CL/HE)	CL
P01	Screen Saver T/O	20 ~ 60 seconds	20
P02	Span	5 ~ 20 °C	10
P03	Delay	10 ~ 600 seconds	10
P04	Calibration	-4°C ~ 4°C	0
P05	RF address	1 ~ 512	1
P06	Charging mode	Slow / fast (SL/FS)	SL

Advanced Parameter Menu - Transceiver

#	Items	Selection	Default
P20	Restore Default	Disable / Enable (dis / en)	Dis
P21	Signal re-tx	Disable / Enable (dis / en)	Dis

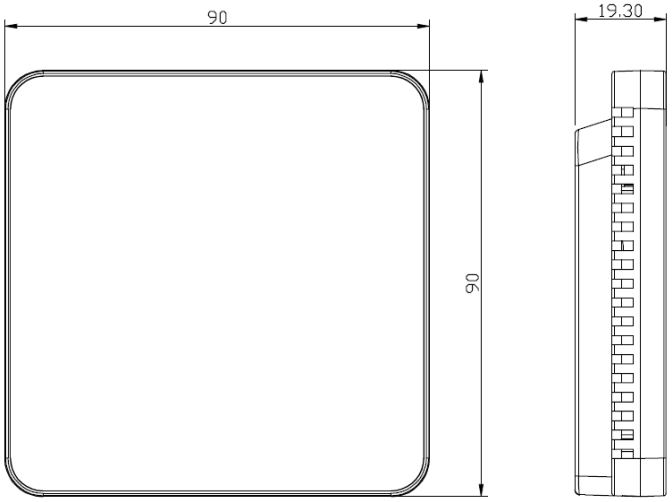
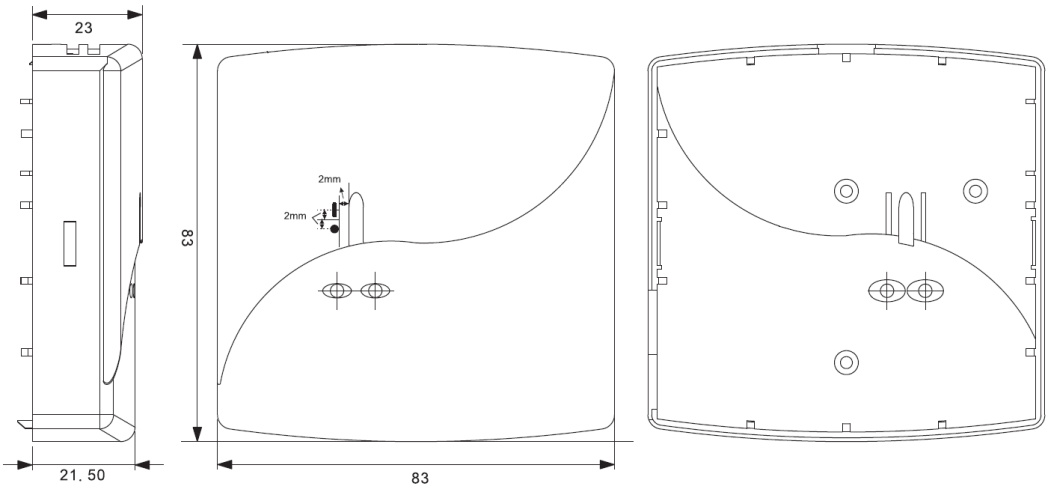
LCD Icons and Touch Keys



Keys	Function
	Short press: change mode Long hold: Internal menu
	Short press: change time/date Long hold: schedule program
	Long hold: On/Off
	Up / Setting increment
	Down / Setting decrement

#	Indication
1	Time and date
2	Scheduled program. 4 per day
3	Defrost
4	External sensor Temperature on display generated by external sensor when icon appears
5	Dehumidifying mode
6	Humidifying mode
7	Temperature, either ambient i.e. room temperature or on external temp sensor
8	Set point
9	Heating mode
10	Changeover mode
11	Cooling mode
12	Un-occupied
13	Keypad lock
14	Wireless connectivity e.g. LoRaWAN gateway / Wi-Fi App / RF transceiver
15	Battery i.e. charging, discharging, low-batt
16	Three fan speeds and Auto-fan mode
17	First and second stage valve outputs

Product Appearance and Dimensions - Transceiver



Product Appearance and Dimensions - Controller