

GENERAL INFORMATION

TH-920E(TX)

Programmable R/F Thermostat

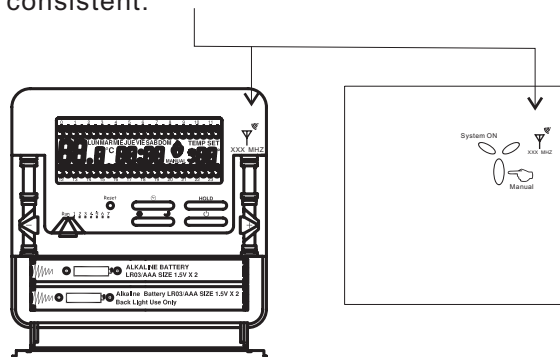
This Programmable R/F controlled Room Thermostat consists of a Transmitter Uni TH-920E(TX) and a Receiver unit RV-0356 (either volt-free or volt-output).

Its installation requires no wiring and can be fitted in any normal operation environment within 30 meters range between transmitter and receiver.

Unique facility of **R/F-address code setting** is built into R/F Receiver as part of commissioning procedure to ensure that your R/F Receiver will only respond to instruction sent to it from Transmitter.

The special feature of blue-backlit & soft-Key which is made of translucent rubber allows Red LED shines through provides an easy operation in dim surrounding.

There are 3 separate working frequencies, please check descriptions on top right on out front of both Transmitter and Receiver, be certain marked frequency band are consistent.



Transmitter thermostat is powered by 4 x AAA Alkaline, 2 batteries to power the thermostat, another 2 designed to provide power to Blue-backlit/Red-Indicator.



Technical Data

Transmitter TH-920E(T433 ~ T868 ~ T915)

- Power Supply: 1.5V AAA Battery*4pcs
(2 pieces each for Thermostat's power supply and Blue-backlit)
- Battery life : 1 year typical
- Temperature reading: °C only
- 24H(military) format only
- Temperature Sampling Rate: 1 Min.
- Switching Differential: 0.5°C
- Temperature control rage: 5~35°C
- Temperature display range: 0~50°C
- Working Frequency:** 3 type for options
(preset at factory, non-selectable at user's side)
T433: 433.92MHz
T868: 868.35MHz
T915: 915MHz
- Working Distance: 30m

INSTALLATION AND MAINTENANCE



DANGER

Electric Shock Or Fire Hazard

READ ALL WIRE SIZING, VOLTAGE REQUIREMENT AND SAFETY DATA AVOID PROPERTY DAMAGE AND PERSONAL INJURY

Fixing the Plug-in stand on transmitter



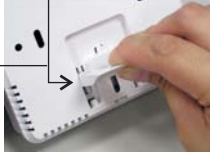
1. Insert “—” head screw-driver into position shown above.



2. Push upward.



3. Pull stand off back plastic housing.



4. Hold the stand with hand, press it vertically against the “groove” originally is to store the stand.

Make sure the “stand” faces to correct direction.



5. Glide the “stand” downward.



6. The stand is now fixed.

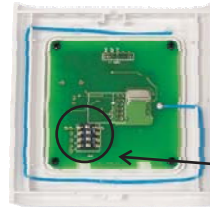


Pressing “stand” downward, as shown in picture above, can take it off from back housing.

RF Address Code Setting

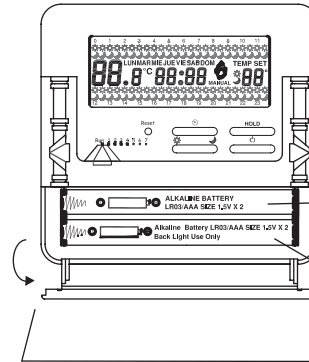


If there is another user nearby, e.g. in the next house, installs the same RV-0356 unit, your receiver may be fault triggered by his/her transmitter. You may select a different RF address code to prevent this. Receiver can only response to RF coding with the same address code setting as its own address code.



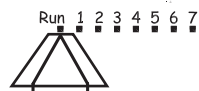
Position both Transmitter and Receiver DIP-Switches with the same arrangement.

Replacing batteries in Transmitter



Flip to open the flap on front plastic housing.
Upper compartment
2 x 1.5V AAA for powering transmitter.
Lower compartment,
2 x 1.5V AAA for backlit.

Adjusting clock before programming Transmitter thermostat











- Slide selector pointed to “RUN”.
- Press to enter clock adjusting.
- Press or to select the day of week.
- Press again to enter adjusting hour of day.
- Press or to adjust.
- Repeat procedure of pressing and / to finish adjusting minute of hour.
- LCD display shall automatically return to main page 5 seconds after clock adjusting completed.



PROGRAMMING INSTRUCTIONS-----Transmitter Thermostat

(Adjusting the Clock prior to programming transmitter thermostat)

START TO PROGRAM

A. To adjust (comfort) and (Economy) Temperature setting.

- Slide selector pointed to RUN.
- Press  to enter  temperature setpoint.
Press  to enter  temperature setpoint.
- Press  /  again, LCD display begins flashing.
- Press  or  to adjust temperature.
- Wait 5 seconds after temperature adjustment finished, thermostat shall memorize setting and return to main page.

※This thermostat commands heating-system to operate with two temperatures setting only, each of 7-day is spread into 48 independent time-scale, users can select length of time by own preference, to coordinate with  and  temperature setting, for coziest room temperature.

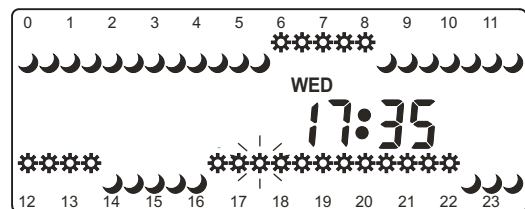
B. To set and temperature setting for each independent time-scale.







※Spin indicator on rotary switch to the desired day of week and start setting. (Wednesday chosen for graphic example)

- Slide selector pointed To the desired day of week



- LCD display shall show

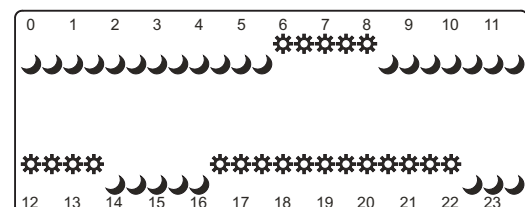


- Press  or  to alter setting between  and  on LCD display.
- Press  or  to select each individual time-scale, LCD display shall also indicate each time-scale by digital number and flashing, to guide users.
- After finished setting all 7-day of week, spin rotary switch back to "RUN". Thermostat starts to operate its program.

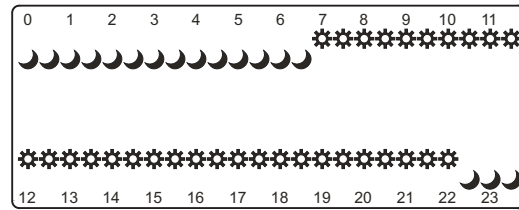
※Factory preset (default value)

 21 = °C  = 16 °C





MON ~ FRI



SAT,SUN











C. HOLD (Permanent override)



- Slide selector pointed to RUN.
- Press  to enter this permanent override mode, LCD shall display "Temp Set" "Hold".
- Press  or  to adjust temperature setting.
- LCD display shall be flashing for approximate 8 second after temperature setting finished, and skip to indicate ambient temperature after flashing stopped. Thermostat starts to execute Permanent-Override function.
- Press again , can release this "HOLD" command; thermostat shall resume its original setting.



D. MANUAL (Temporary Override)

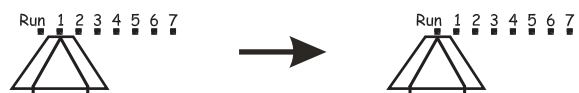
- Slide selector pointed to RUN.
- Press  or  LCD display shall indicate current  or  temperature setting.
- Press again  or  to change setting.
- LCD display shall be flashing for approximate 8 second after temperature setting finished, and skip to main page of LCD-display after flashing stopped. Thermostat starts to execute "MANUAL" function.

※When setting this MANUAL function at the section of , thermostat shall maintain executing "MANUAL" until program runs to the section of . Vice versus. On

LCD-display main page, when MANUAL in executing,  or  shall disappear from display at the section

of time that **MANUAL.** function is executing.

- Spin switch away from "RUN" and spin it back to "RUN" can terminate this "MANUAL" function.



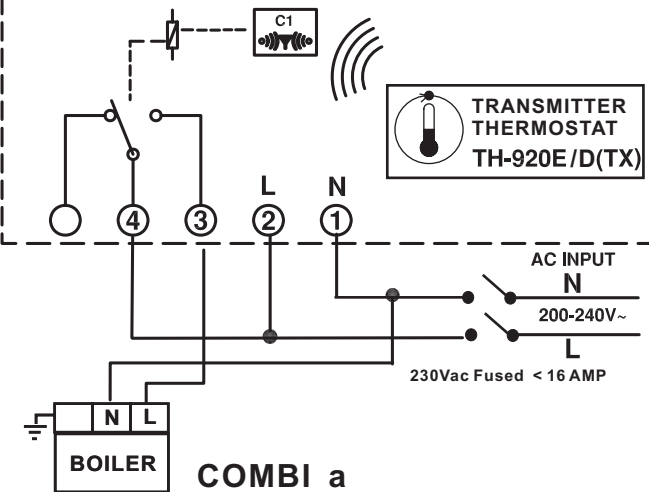
PROPOSED WIRING APPLICATION — RV-0356

⚠ DANGER ⚠

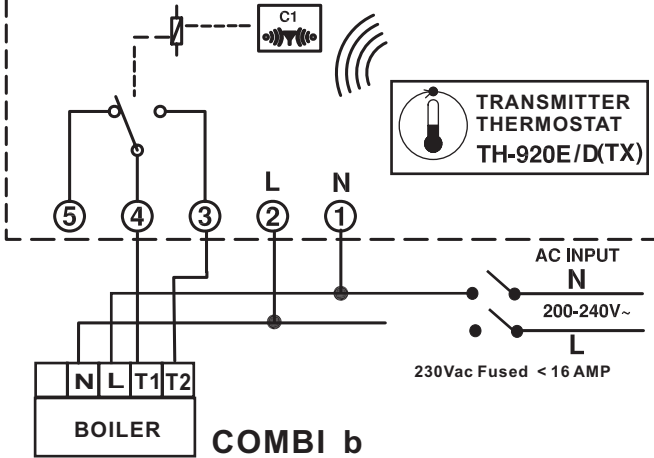
Electric Shock Or Fire Hazard

READ ALL WIRE SIZING, VOLTAGE REQUIREMENT AND SAFETY DATA AVOID PROPERTY DAMAGE AND PERSONAL INJURY

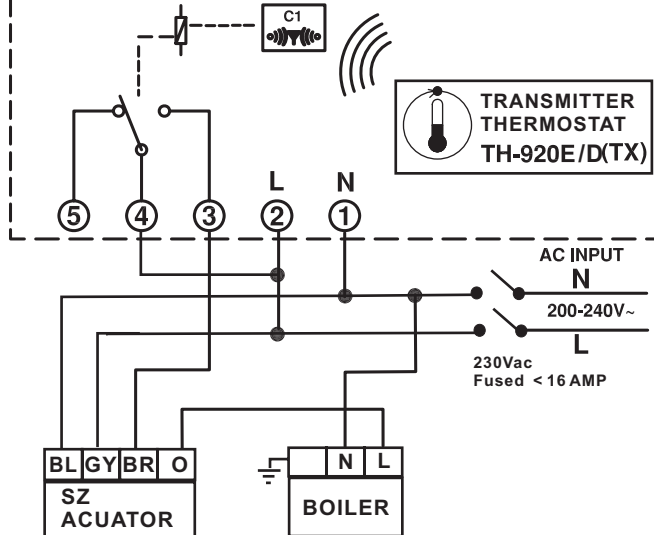
RV-0356 RECEIVER



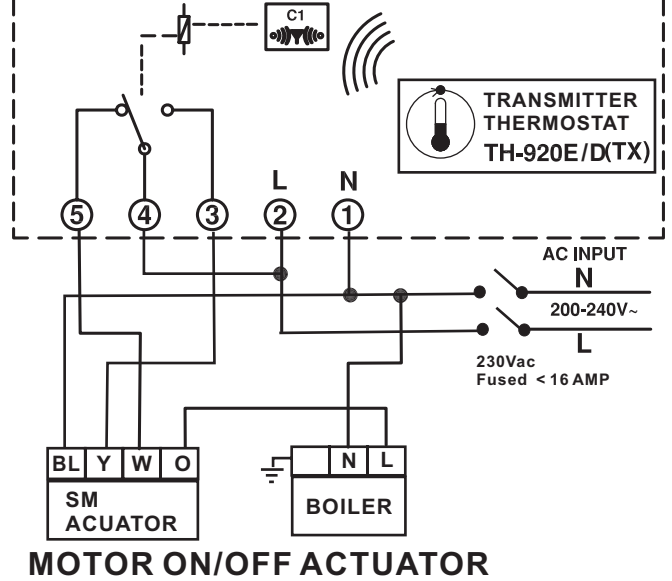
RV-356 RECEIVER



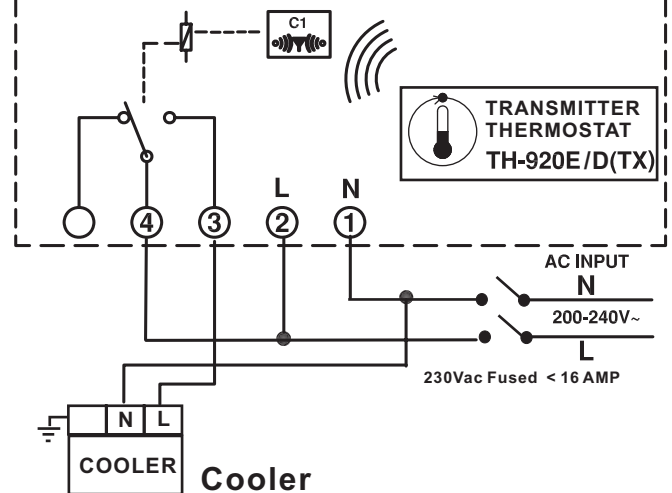
RV-0356 RECEIVER



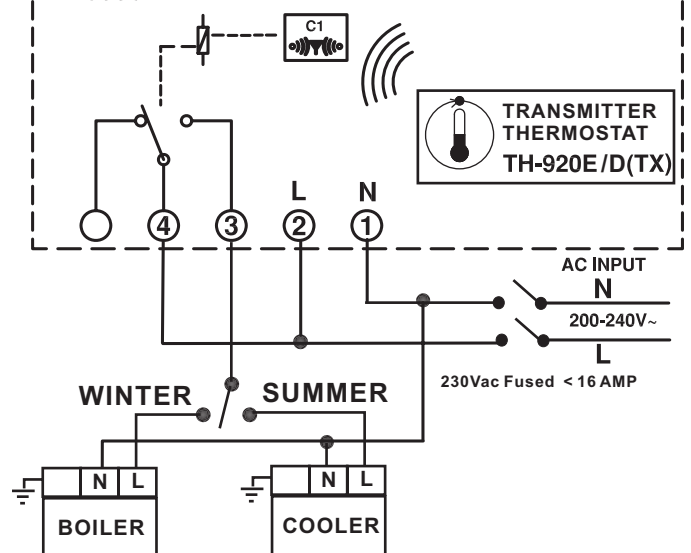
RV-0356 RECEIVER



RV-0356 RECEIVER



RV-0356 RECEIVER



PROPOSED WIRING APPLICATION — RV-0356H



DANGER



Electric Shock Or Fire Hazard

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