# **SIEMENS**

# en Mounting Instructions

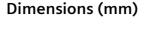
## RDF660T

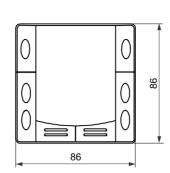


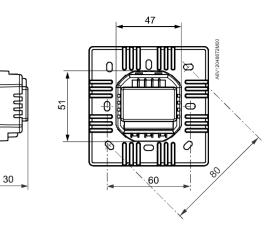
## Flush-mounted room thermostat

Installation video

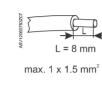


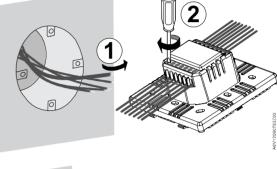




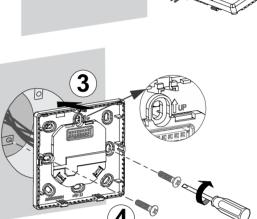


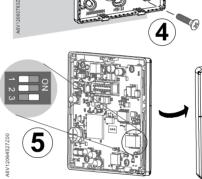
# Mounting



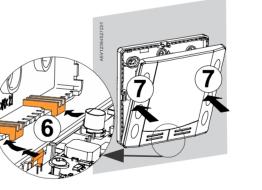








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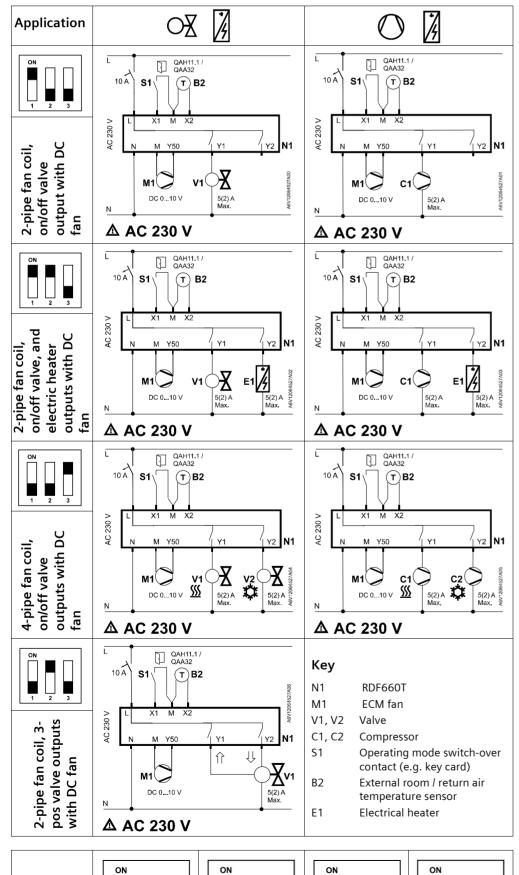


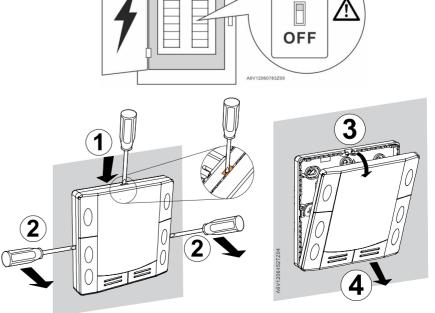


## Dismounting

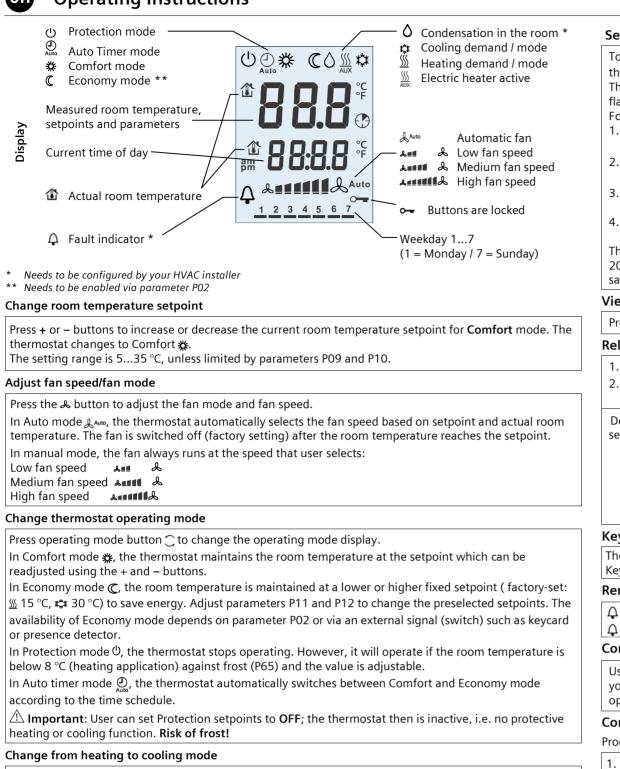


### Wiring diagrams





No function DIP switches



Changeover between cooling a and heating  $\underline{S}$  is either automatic using a heating/cooling changeover sensor or a remote changeover switch or manual by pressing operating mode button  $\underline{C}$ .

No changeover is possible if the thermostat is configured for cooling only or heating only (see parameter P01).

Meaning of cooling 🇱 and heating <u>S</u> symbols when displaying on LCD:

• For automatic changeover or heating only/cooling only:

- <u> Meating</u> valve is open
- 🛤 Cooling valve is open

For manual changeover only:

- <u>Similar Thermostat is in heating mode</u>
- thermostat is in cooling mode

#### Set time schedules

To adjust the time schedule, keep pressing button for 3 seconds to enter the timer setting mode.

This mode is indicated by displaying Ax (x= auto timer 1...8) and the time flashing.

For each timer, proceed as follows:

- 1. The  $\bigoplus_{\text{Auto}}$  and # symbols are displayed. Press + or to adjust the comfort mode start time and confirm by pressing  $\checkmark$ .
- 2. The ⊕ and C symbols are displayed. Press + or to adjust the comfort mode end time / Economy start time and confirm by pressing ✓.
- 3. Symbol <u>1</u> will flash. Press + or to select or deselect each day and advance to the next day.
- 4. Press ✓ to confirm the settings for the actual timer and advance to the next timer.

The thermostat will leave the timer setting mode if no button is pressed within 20 seconds. All changes made after the last press of the  $\checkmark$  button are not saved.

#### View the timer settings

Press the 👩 button to sequentially view the 8 auto timers.

#### Reload default timer settings

1. Set the thermostat to protection mode ().

2. Press + and - simultaneously for 3 seconds. Release and, within 2 seconds, press twice

Default	Days	Thermostat is in Comfort mode 淼		
settings	Mo (1) – Fr (5)	6:30 – 8:30 (A1)	17:30 – 22:30 (A2)	
	Sa (6)	8:00 – 23:00 (A3)		
	Su (7)	8:00 – 22:30 (A4) – In the remaining time thermostat is in		
		Economy mode.		
		– Timers A5A8 are free	e, no default settings.	

#### Key lock

The key symbol •- indicates buttons are locked.

Key lock can be configured via parameter P14.

#### Reminder to clean filters and for external faults

 $\bigcirc$  FIL \*This message reminds user to clean HVAC equipment filters.  $\bigcirc$  AL1 or AL2 indicates external faults.

#### Commissioning

User can adjust several different control parameters to adapt the thermostat to your system and optimize control performance. User can do this during operation via the buttons on the thermostat.

#### **Control parameters**

Proceed as follows to change the most important control parameters

- Press the and + buttons simultaneously for more than 6 seconds. Release, and within 2 seconds, press + again for more than 3 seconds. "P01" is displayed.
- 2. Repeatedly press the + or button to select the required parameter.
- Press + and simultaneously once to enter EDIT mode. Then press + or button to change the value of the selected parameter and press + and – simultaneously to save the change.
- 4. Repeat steps 2 to 3 to display and change additional parameters.
- 5. Press + or until "End" is displayed, and then press + and simultaneously to exit parameter entry mode.

#### Setting time of day and weekday

1. Press ④ button and the time digits start to flash. Press + or - to set the time of day. If the current time is in 24-hour format and user wishes to change to the 12-hour format, press + passing 23:59 or press - passing 00:00. Back to 24-hour format: same procedure with 11.59 PM.

- 2. Confirm the time of day by pressing  $\checkmark$  and the weekday indicator starts to flash.
- 3. Press + or to set the current weekday.
- 4. Confirm the current weekday by pressing 🗸

Parameter	Description	Factory setting	Setting range
P01	Control sequence	2-pipe = 1 [selection: 03] 4-pipe = 4 [selection: 2, 4]	0 = Heating only; 1 = Cooling only; 2 = H/C changeover manual 3 = H/C Changeover auto; 4 = Heating and cooling
P02	Mode selection by user via operating mode button	1	1 = Auto – Comfort – Protection; 2 = Auto – Comfort – Economy – Protection 3 = Comfort – Protection; 4 = Comfort - Economy - Protection
P04	Unit	0	0 = °C (Celsius); 1 = °F (Fahrenheit)
P05	Measured value correction (for built-in/external sensor)	0	-5 K5 K
P06	Standard display	0	0 = Room temperature; 1 = Setpoint
P07	Additional display information	0	0 = No display; 1 = Room temperature °C or °F; 2 = Setpoint 3 = Time of day (12 h); 4 = Time of day (24 h)
P08	Comfort basic setpoint	21 °C	540 °C
P09	Minimum Comfort setpoint	5 °C	540 °C
P10	Maximum Comfort setpoint	35 °C	540 °C
P11	Economy heating setpoint (Wheat <sub>Eco</sub> )	15 °C	OFF, 5 °CWcool <sub>Eco</sub>
P12	Economy cooling setpoint (Wcool <sub>Eco</sub> )	30 °C	OFF, Wheat <sub>Eco</sub> 40 °C
P13 ***	Electrical heater in cooling mode	1	0 = Disabled; 1 = Enabled
P14	Key lock	0	0 = Unlock; 1 = Lock (all lock); 2 = Setpoint adjustable
All temperat	ure settings are in increments of 0.5 °C.		*** Parameter P13 is only displayed for application "2-pipe with electric heater".

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