			SIFMENS
Operating Instructions	en	R	DG200KN, RDG204KN
RDG2KN – Room thermostat	with KNX communication	R ns allowing users to set idea	DG260KN, RDG264KN
temperature, relative humidity the operating modes Comfort.	y and CO ₂ level (RDG204k Economy and Protection	(N&RDG264KN). The therm	ostat offers
In addition, it can operate in A The fan operates either in Auto	uto mode as per a schedu	ule via KNX bus or local.	
Users can either use the factor	ry settings or adjust settin	ngs as desired.	
₺@₸≉∭₿₿₺₺₳₢₷₶	Main display	2 C	Operating mode
	Scheduler		Protection mode
	Fan speed selec	tion	Economy mode
	Delete schedule		Comfort mode
AB - B	Confirm parame	eters AU	 Cooling mode X Electric heater active
A CONTRACTOR OF A CONTRACTOR OFTA CONT			Heating mode
UØ C	Outside temper	adules or slave alarms	Scheduler mode Manual changeover
SIEMENS	P Parameter		Auto mode
	24.5° Digits for setp	oint display	Temporary timer
0AM 4 6 8 12 4 18 8 124P	Time bar for sch	nedule	Fault
day from KNX bus, relat	ation, such as outside tem tive humidity, or indoor a	nperature, time of	ិ Fresh air indication
AMPM Morning: 12-hour form	at; Afternoon: 12-hour fo °C	ormat -	Condensation in room (dewpoint sensor active) or
^{%r.H} ••• Relative humidity	°F Degrees Celsius	or Fahrenheit	humidity control active
Indoor air quality	ppm CO ₂ values	1	Button lock
' 겉닉스 Value with thermomete	er: Digits for room tempe	rature display	• Automatic fan
Operating mode button Rotary knob	Fan mode but Green leaf	ton =_	Ean Speed I
B Protection hospitality m	ode or scheduler buttor	n 📲	Fan Speed III
* When P002 = 3, the icon is display	yed as ${\ensuremath{\mathfrak{O}}^{\circ C}}^{\circ C}$ and the button ca	an be used to switch unit betwe	en °C and °F. (scan the above QR
code for the latest version info). Changing the room tempera	ature		
245 Turn the rotary	knob clockwise to increas	se, or counterclockwise to o	decrease the current room
Note: The settin	ng range is 540 °C; it ca	n be limited by parameters	P013 and P016.
	anthing on Control news	motors on page 2)	
(for parameter s	settings, see Control para	interers on page 2).	
Adjusting the fan speed	settings, see Control para	inneters on page 2).	
Adjusting the fan speed	Press the right button rep	eatedly until the desired fa	n mode is reached.
Adjusting the fan speed Speed I Speed I	Press the right button rep In Auto mode are, the fan	eatedly until the desired fa	n mode is reached. ected by the thermostat
Adjusting the fan speed	Press the right button rep In Auto mode are, the fan depending on setpoint an In Manual mode, the fan	eatedly until the desired fa speed is automatically sele id current room temperatur operates independently an	n mode is reached. ected by the thermostat re. d runs at the speed set by the
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Set schedule

ΠN



- mode PROG.
- Press button 🗸 once to enter scheduler mode 🎟
- Turn the rotary knob to select the weekday to be set, then press button \checkmark once. •
- Turn the rotary knob to view existing schedules, then press button \checkmark once to select the schedule that need • to be edited.
- Comfort mode setting of selected schedule and icons 👔 and 🕮 are displayed, then press button 🗸 once. • The start time for Comfort flashes and can be changed by turning the rotary knob.
- Press button 🖌 once to confirm the adjusted value and enter the Economy mode setting for the schedule. • Icons 😳 and 🎟 are displayed, then press button 🗸 once. The start time for Economy flashes and can be changed by turning the rotary knob.
- Press button \checkmark once to confirm the adjusted value. Then users can view other schedules by turning the

rotary knob and enter other schedule settings (same as edited schedule). Note: User can press button iii to delete any schedule or 🖕 (Esc) to cancel the change. The maximum number of set schedule is three per day.

Set TIME





- Press button \bigcirc once and then turn the rotary knob or press button \bigcirc continuously to select programming • mode TIME.
- •
- •
- Press button \checkmark once and then turn the rotary knob to select time format (12H). Press button \checkmark once and then turn the rotary knob to select AM or PM. Press button \checkmark once and enter the hour setting. The hour value flashes and can be changed by turning the rotary knob. Press button \checkmark once to confirm the adjusted value and enter the minutes setting. The time format is 24

Note: When time format is 24 h, AMPM is not displayed. Repeat the steps as for the hour.



- mode DATE
- Press button once to enter date setting.
- Turn the rotary knob to select month / weekday / year, then press button 🗸 once. For example, enter the year setting. The Year value flashes and can be changed by turning the rotary knob. Press button \checkmark to confirm the adjusted value, or \bigcirc (Esc) to cancel the change.

Repeat steps for month and weekday settings.



- Press button $^{(1)}$ once and then turn the rotary knob or press button $^{(2)}$ continuously to select programming mode AWAY. Holiday mode 📖 is displayed.
- Press button \checkmark once to enter scheduler mode $\overline{\blacksquare}$.
- Turn the rotary knob to adjust the holidays, then press button \checkmark once.
- Set the start time (AWAY): Set the month (MON) and then press button \checkmark \Rightarrow Set the day (DAY)
- Press button 🗸 once to confirm the adjusted value; the idle page for Holiday mode is displayed once the start time reaches.

Button lock

t Locked buttons are indicated by the key symbol L.	
 If "Auto lock" is configured (P028 = 1), the thermostat automatically locks the 10 accords after the last adjustment 	ne buttons

Commissioning (by qualified HVAC installer)

To adapt the thermostat to your system and optimize control performance, a number of control parameters can be adjusted. This can be done during operation, either via the buttons on the thermostat or via a commissioning tool.

Control parameters



1. Press left and right buttons simultaneously for 3 seconds or until device beeps if buzzer function is enabled (P030).

- 2. Service level: Release and within 0.5...4 seconds, press the right button again until "P001" is displayed. **Expert level**: Release and within 0.5...4 seconds, press the left button again until the temperature disappears. Turn the rotary knob counterclockwise minimum ½ rotation. **P050** displays.
- 3. Select the required parameter by turning the rotary knob. 4. Press button \checkmark (OK). The current value of the selected parameter flashes and can be changed by turning the rotary knob.

5. Press button \checkmark (OK) to confirm the adjusted value, or \bigcirc (Esc) to cancel the change. To adjust additional parameters, repeat steps 3 through 5, or press \bigcirc (Esc) to quit parameter setting mode. Note: If password protection (needs to be done by HVAC installer) is enabled, users must enter the password to open parameter setting mode. If the password is mistyped 5 times, the thermostat is locked and the password cannot be entered for 5 minutes. Symbols 🕙 and 🖬 are displayed.

Parameter list

No.	Description	Factory setting	Setting range	Adj.	
P001	Control sequence	2-pipe: 1 = Cooling only 4-pipe: 4 = Heating and cooling	0 = Heating only 1 = Cooling only 2 = H/C changeover auto 3 = H/C changeover manual 4 = Heating and cooling		
P002	Operation via room operating mode selector	1	1 = Auto *** - Protection / Auto - Comfort – Protection (when there is local scheduler) 2 = Auto *** - Comfort - Economy - Protection 3 = Auto *** (Comfort) - Protection Hospitality		
P003	Operation via fan operating selector	0	0 = Auto - Manual 1 = Manual 2 = Auto - Manual - Protection 3 = Auto – Protection		
P004	Unit	0	0 = °C (parameter in °C) 1 = °F (parameter in °F)		
P005	Scheduler	OFF	ON = Enabled; OFF = Disabled		
P006	Measured value correction	0 К	-55 K		
P007	Humidity value correction	0	-100.%		
P008	Standard display	0	0 = Room temperature; 1 = Setpoint		
P009	Additional display information	0	0 = (No display) 1 = °C and °F 2 = Outside temperature 3 = Time of day (12 h) 4 = Time of day (24 h) 5 = Humidity 6 = Indoor air quality (numeric) ***** 7 = Indoor air quality (text) ***** 8 = Humidity and IAQ (numeric) ***** 9 = Humidity and IAQ (text) *****		
P010	Setpoint concept	1	1 = Comfort concept; 2 = Energy saving concept		
P011	Comfort basic setpoint	21 °C (70 °F)	540 °C (41104 °F)		
P013	Comfort setpoint minimum	5 °C (41 °F)	(P010 = 1): 5 °C (41 °F)P016-1 K (P010 = 2): 5 °C (41 °F)P014-1 K		
P014	Comfort setpoint maximum heating	21 °C (70 °F)	P013+1 KP015-1 K		
P015	Comfort setpoint minimum cooling	25 °C (77 °F)	P014+1 KP016-1 K		
P016	Comfort setpoint maximum	35 °C (95 °F)	(P010 = 1): P013+1 K40 °C (104 °F) (P010 = 2): P015+1 K40 °C (104 °F)		
P017	Summer time	1	OFF; 1 = Europe; 2 = Australia; 3 = New Zealand		
P019	Economy heating setpoint	15 °C (59 °F)	(0), 5 °CP020 (41 °FP020) P020 = 40 °C max. (P020 = 104 °F max.)		
P020	Economy cooling setpoint	30 °C (86 °F)	(0), P01940 °C (P019104 °F) P019 = 5 °C min. (P019 = 41 °F min.)		
P023	Indoor air quality setpoint *****	1000 ppm	102000 ppm		
P024	Humidity setpoint high	50	(0), P026 or 2090 %		
P026	Humidity setpoint low	OFF	(0), 2090 % or P024		
P027	Electric heater when cooling	ON	ON = Enabled; OFF = Disabled		
P028	Keypad	0	$0 = Unlocked$ $1 = Auto lock$ $2 = Manual lock$ $3 \lor \qquad \bigcirc \qquad$		
P029	Fan: Dead zone Comfort mode	0	0 = Fan disable 1 = Low speed (Heat and Cool) 2 = Low speed (Cooling only) 3 = Fan disable Auto & Manual 4 = Low speed Auto & Manual 5 = Low speed Auto & Manual Cooling		
P030	Buzzer function	ON	ON = Enabled; OFF = Disabled		
P031	Language	1	1 = English; 2 = Francais (French) 3 = Deutsch (German); 4 = Italiano (Italian) 5 = Espanol (Spanish); 6 = Nederlands (Dutch) 7 = Turkce (Turkish); 8 = Cesky (Czech) 9 = Suomi (Finnish); 10 = Polski (Polish) 11 = Maqvar (Hungarian); 12 = Slovenski (Slovak) 13 = (Limba) Romana (Romanian); 14 = Dansk (Danish) 15 = Norsk (Norwegian)		
P032	Room operating mode holidays	0	0 = Economy: 1 = Protection		

*** When no time schedule via KNX exists, Auto equals Comfort.

**** Parameter P027 is displayed only for application 2-pipe with electric heater.

These parameter values are valid for RDG204KN and RDG264KN.

All temperature settings are in increments of 0.5 °C (except P006 of RDG204KN & RDG264KN is in 0.1 °C).

Remember to record all changes!

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