Operating Instructions REV21...E

CHRONOGYR® REV21... ensures the desired room temperature will be reached at the right time, day after day, thus maintaining comfort while minimizing energy consumption.

The controller offers a choice of one weekly operating mode and three different 24-hour operating modes.

The REV21... is supplied with factory-set standard switching patterns, times and temperatures that can be changed by the user to meet individual needs.

Thanks to an easy-to-read display and the preset switching patterns, operation is very straightforward.
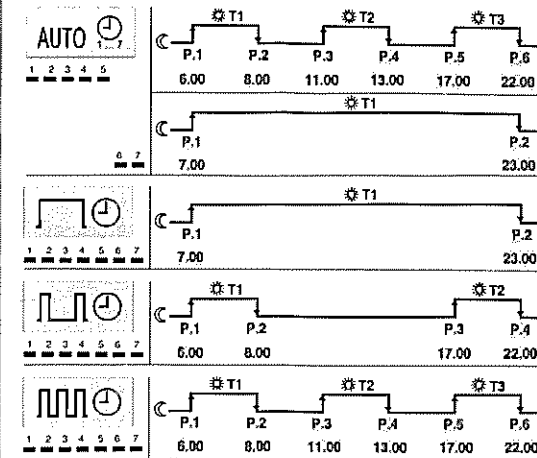
The holiday mode ensures minimum energy consumption also during the holiday periods.

Commissioning with quick startup

The controller comes with factory-set standard switching patterns, times and temperatures. These allow you to start up the unit with no effort. Proceed as follows:

1. Remove battery transit tab.
2. Move setting slider to ⏱DAY.
   - Enter the correct time with the buttons – +. (Permanent pressing of these buttons accelerates the display)
   - Enter the current weekday with the button DAY. (1=Monday / 7=Sunday)
3. Move setting slider to RUN^AUTO. (Precondition for closing the cover)
4. Insert operating instructions in the cover and close.
5. Select required operating mode with the operating mode selector.

Preset standard values

Temperatures:　☀ T1 = 19°C　☀ T3 = 21°C
　　　　　　　　☀ T2 = 20°C　☾ = 16°C

Display

☀ Normal temperature
☾ Economy temperature
▲ Heating on
🛄 Holiday mode
▭ᴰ Battery change
COOLING Cooling mode

Room temperature (measured)
Time
Switching pattern with time cursor
Active normal temperature
Weekday

Settings

⏱DAY Time / weekday
Switching pattern allocation block / day
Switching times P.1...P.6
☀ Normal temperatures T1...T3
☾ Economy temperature
🛄 Holiday mode
RUN^AUTO Operating position

DAY Block/day button
Switching pattern button
– + Setting the values
Setting slider

Operation

Warmer/colder buttons

▲ Short-time readjustment of current temp.
▼ Setting range: Increments of 0.5°C, max. ±4°C. Automatic resetting takes place at the next switching time or when the operating mode is changed.

Override button

☀/☾ Manual changeover from normal to economy temperature or vice vessa. Automatic resetting takes place at the next switching time or when the operating mode is changed.

Operating modes

AUTO ⏱ Weekly mode with up to three heating periods per day.
⊓⏱ 24-hour mode with 1 heating period
⊓⊔⏱ 24-hour mode with 2 heating periods
⊓⊔⊓⏱ 24-hour mode with 3 heating periods
T3☀ Continuous normal temperature
☾ Continuous economy temperature
⏻ Standby mode with frost protection

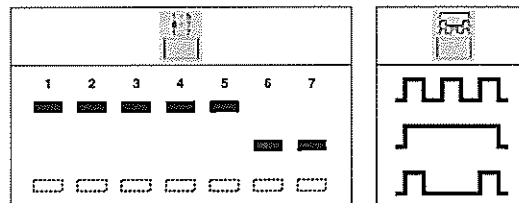Operating mode selector

Settings

Time/weekday

⊙/DAY Move the setting slider to time/weekday.
- Enter the correct time with the buttons – +.
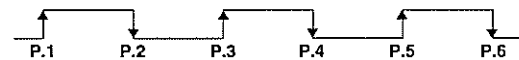- Enter the current weekday with the button DAY.

Switching patterns

The controller has three different switching patterns which can be allocated to the respective workday block 1-5/weekend block or the individual days 1...7.

1-5
6-7
1...7 Move the setting slider to the switching pattern allocation.
- Select the required block or day with the button 1-5/6-7.
- Allocate the respective switching pattern with the button ⊓⊔.

Repeat these setting steps for the respective workday/ weekend block or individual day.
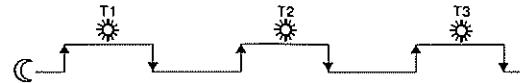

Switching times

P.1   P.2   P.3   P.4   P.5   P.6

The switching times P.1 through P.6 for the respective workday block 1-5/weekend block 6-7, or the individual

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P1...P6 Move the setting slider to the respective start or end of the switching pattern.
- Select the required block or individual day with the button 1-5/6-7.
- Set the required time with the buttons – + (increments of 10 minutes).

Repeat these setting steps for the respective workday block 1-5/weekend block 6-7, or the individual days 1...7.

Temperatures

You can enter different temperatures for each workday block 1-5/weekend block 6-7, or the individual days 1...7. The temperatures are allocated to the respective phases in the switching pattern and become active at the times you have entered.

T1 ☀
T2 ☀
T3 ☀
(Move the setting slider to the desired temperature ☀T1,T2,T3 or (.
- Select the required block or individual weekday with the button 1-5/6-7.
- Set the required temperature with the buttons – +. Each time one of the buttons is pressed, the temperature is increased or decreased by 0.5°C.

Holiday settings

You can enter the start and the duration of your annual holidays. In that case, the controller switches to economy mode when the annual holidays start and, on completion of the holiday period, reverts to the selected operating mode. The display then shows the holiday symbol and the number of the remaining days in the holiday period.

💼 Move the setting slider to annual holidays.
- Enter the start of the holiday period with the button DAY (maximum 6 days in advance).
- Enter the duration of the holiday period with the buttons – + (maximum 99 days).

If the holiday period is terminated earlier than expected, the number of days must be reset to 00.

Operating position

AUTO
RUN The controller operates only if the setting slider is set to operating position AUTO/RUN.
(Precondition for closing the cover)

Resetting

▲ By pressing these three buttons simultaneously,
– + all individual settings are reset to their standard

Resetting also implies a functional check of the display:

Setting check

Functions only in weekly mode AUTO ⊙.

DAY By pressing the DAY button, the selected switching patterns of the individual days will be shown for 3 seconds, one after the other.

Replacing the battery

The battery symbol appears in the display approx. 3 months before the batteries are finally exhausted.
A battery voltage reserve of approx. 1 minute allows the batteries to be replaced with no loss of data.
Type of battery: 3 alkaline batteries 1.5 V (AA)

Auxiliary functions

The controller provides the following auxiliary functions:
- Cooling mode
- Optimum on (1h/°C, ½h/°C, ¼h/°C)
- Periodic pump run (pump kick)
- Control characteristic (PID 12/6 min. / 2-position)
- Frost protection temperature (adjustable 3°C, 5°C, or 8°C)
- Economy set value limitation (16°C)
- Remote operation connection facility (only with REV21T)
For more detailed information, refer to the installation instructions. The auxiliary functions should only be selected and set by your heating engineer.

Use the following table to enter your personal settings

Operating mode	Block / day	Switching times						Temperatures			
		P.1	P.2	P.3	P.4	P.5	P.6	T1 ☀	T2 ☀	T3 ☀	(
AUTO ⊙	1-5 Mo-Fr										
	6-7 Sa-Su										
	1 Mon										
	2 Tue										
	3 Wed										
	4 Thu										
	5 Fri										
	6 Sat										
	7 Sun										
⊓ ⊙	1...7 Mo-Su		PASS	PASS	PASS	PASS		PASS	PASS		
⊓⊔ ⊙	1...7 Mo-Su			PASS	PASS				PASS		
⊓⊓⊓ ⊙	1...7 Mo-Su										
T3 ☀	1...7 Mo-Su	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		PASS
(	1...7 Mo-Su	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
Example	2 Tue	08.00	09.00	11.00	13.30	17.00	22.30	19	21	21	16
	3 Wed	07.00	08.30	15.00	23.30	PASS	PASS	20	22	PASS	15