

## Feel Flexibility – with our new room thermostat clocks. FEELING





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Overview room thermostat clocks

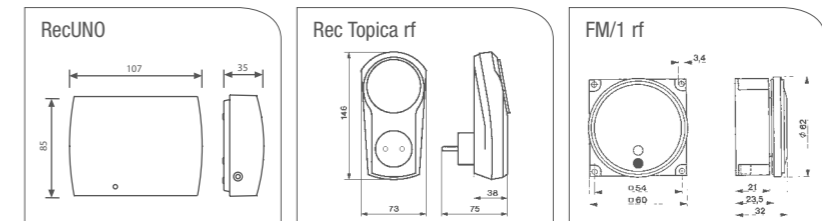
	feeling ch1 Digital room thermostat clock	feeling rf ch1 Radio controlled room thermostat clock
Product image		
Order-Number: <input type="checkbox"/> White <input checked="" type="checkbox"/> Anthracite <input type="checkbox"/> Silver	04.10.0001.1 04.10.0002.1 04.10.0003.1	04.11.0004.1 04.11.0005.1 04.11.0006.1
Switching programs	weekly program with up to 48 time and temperature level changes	weekly program with up to 48 time and temperature level changes
Display	X	X



Overview receivers





	RecUno	Rec Topica rf	FM/1 rf
Product image			
Dimensions HxBxT (mm)	87 x 108 x 35	146 x 73 x 38	60 x 60 x 32
Weight (g.) approx.	113	207	67
Switching type	SPDT (potential free)	1 NO	SPDT (potential free)
Power supply	230V +/-10% 50-60Hz	220-240 V~	220-240 V~
Switching capacity	5 A/250 V	16 A/250 V	16 A/250 V AC, 5 A/250 V AC
Connection type	max. 1,5mm <sup>2</sup>	-	-
RF signal	868,3 MHz	868,3 MHz	868,3 MHz
RF signal range - inside buildings - open Field	30m (2 walls + 1 ceiling)	30m (2 walls + 1 ceiling)	30m (2 walls + 1 ceiling)
Coding	> 16,8 Mio.	> 16,8 Mio.	> 16,8 Mio.
RF Power transmission	<1mW	<1mW	<1mW
Operating temperature limits	-5°C to +45°C	-5°C to +45°C	-5°C to +45°C
Operating humidity range	10% to 90% RH not condensing	10% to 90% RH not condensing	10% to 90% RH not condensing
Storing temperature limits	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Protection Class	II	II	II
Protection type	IP 20	IP 20	IP20

Dimensional drawings:



## Room thermostat clocks

- Digital weekly room thermostat clock with modern design and large, easy-to-read display
- Available in 3 modern colors: White, Anthracite, Silver
- Up to 48 different time & temperature "events" per day to create a comfortable environment all day long; 4 pre-set programs & 1 user defined program available
- Various running modes to select from depending on the situation: AUTO, Override, ECO-FIX, Cleaning, Countdown, Party, Holiday and OFF
- Total OFF function with anti-freeze temperature
- Wide temperature control range (+5°C ... +32°C)
- Problem-free installation with adjustable anti-freeze temperature (+3°C ... +7°C)
- Battery discharge level monitoring and notice when batteries have to be replaced
- Integrated operating hour counter
- Automatic adjustment for summer- / wintertime
- 2-wired connection for heating applications
- Suitable for flush or wall installation

Product image	Voltage	EAN-Code 4010940	Ord.-No.	Description	RAL Color	
	<b>feeling ch1</b>					
	2 x 1.5V	039578	04.10.0001.1	Transmitter, White	9016	
	2 x 1.5V	039929	04.10.0002.1	Transmitter, Anthracite	7016	
	2 x 1.5V	039936	04.10.0003.1	Transmitter, Silver	9006	
	<b>feeling rf ch1 Set</b> consisting of: Transmitter and Receiver					
	2 x 1.5V	039974	04.11.0004.1	Transmitter White	9016	
	230V/50-60 Hz			Receiver	9010	
	2 x 1.5V	039981	04.11.0005.1	Transmitter Anthracite	7016	
	230V/50-60 Hz			Receiver	9010	
	2 x 1.5V	039998	04.11.0006.1	Transmitter Silver	9006	
	230V/50-60 Hz			Receiver	9010	
	– Battery type LR6 – Battery Powered / RF Output SET – PRE commissioned					
		<b>feeling rf ch1</b>				
		2 x 1.5V	039943	04.11.0001.1	Transmitter White	9016
2 x 1.5V		039950	04.11.0002.1	Transmitter Anthracite	7016	
2 x 1.5V		039967	04.11.0003.1	Transmitter Silver	9006	
– Battery type LR6 – Battery Powered / RF Output Tx – Reliable 868 MHz RF signal that guarantees perfect communication between transmitter and receiver. – Transmission range up to 30 meters (indoor usage 2 walls & 1 ceiling) – Feeling RF is compatible with all of the existing Grässlin receivers						
<b>feeling rf ch1</b>						
						

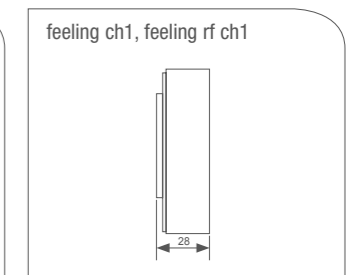
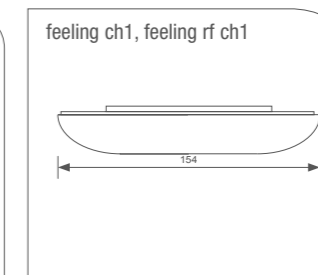
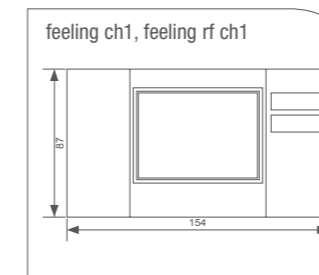
- White
- Anthracite
- Silver

- White
- Anthracite
- Silver

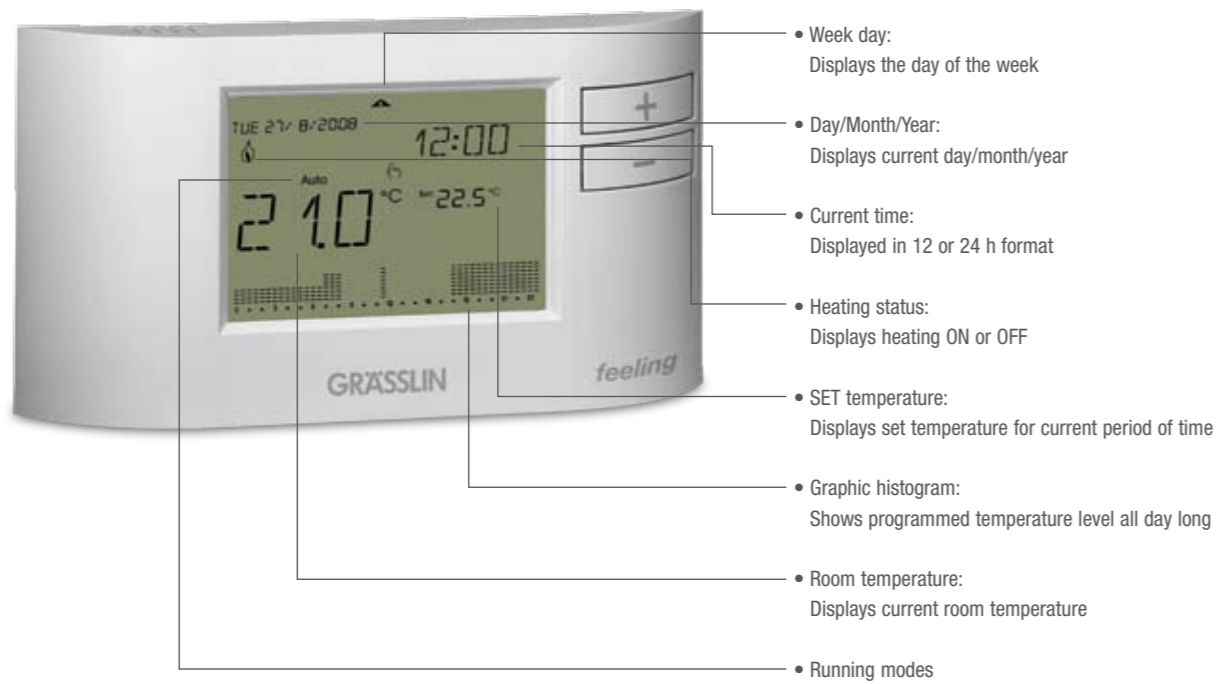
## Technical Data

	feeling ch1	feeling rf ch1
Dimensions HxWxD (mm)	87 x 154 x 27	87 x 154 x 27
Weight (g.)	200	200
Power supply	2 x 1,5V AA LR6 Alkaline batteries	2 x 1,5V AA LR6 Alkaline batteries
Battery life time	2 years (depending on switching)	2 years (depending on switching)
Battery back-up	>10 min. (programs retained in EEPROM)	>10 min. (programs retained in EEPROM)
Switching type	SPDT (potential free)	–
Switching capacity	8 (3) A 250V ~	–
Connection type	max. 1,5mm <sup>2</sup>	–
Sensing element	100K (at 25°C) NTC	100K (at 25°C) NTC
Ambient temperature resolution	0,1 °C	0,1 °C
Temperature setting display range	+5°C ... +32°C (0,5°C steps)	+5°C ... +32°C (0,5°C steps)
Program	–	–
Frost protection	5°C (adjustable 3°C ... 7°C)	5°C (adjustable 3°C ... 7°C)
Time display	24 hour or 12 hour AM/PM format	24 hour or 12 hour AM/PM format
Time setting resolution	–	–
Time of day	1 minute	1 minute
Program	30 minutes	30 minutes
Temperature control accuracy	+/- 0,5°C (20°C 3K/hour)	+/- 0,5°C (20°C 3K/hour)
Thermal gradient (heating system)	3K/hour	3K/hour
Room temperature display range	+0°C ... +50°C	+0°C ... +50°C
Programming	weekly program with up to 48 time and temperature level changes	weekly program with up to 48 time and temperature level changes
Pre-set programs	4 + 1 user defined	4 + 1 user defined
Output signal	–	RF signal
RF signal	–	868,3 MHz
RF signal range	–	Indoor 30m (2 walls + 1 ceiling)
Coding	–	> 16,8Mio.
RF Power transmission	–	<1mW
Operating temperature limits	Max. 45°C	Max. 45°C
Operating humidity range	10% to 90% RH not condensing	10% to 90% RH not condensing
Storing temperature limits	-20°C to +55°C	-20°C to +55°C
Protection Class	II	II
Protection type	IP40	IP40
According to	EN 60730-1, EN 60730-2-7 EN 60730-2-9, EN 55014-1 EN 55014-2, EN 61000-6-2	EN 60730-1, EN 60730-2-7 EN 60730-2-9, EN 55014-1 EN 55014-2, EN 61000-6-2 ETSI EN 300 220-1 ETSI EN 300 220-3 ETSI EN 301 489-3

Dimensional drawings:



Product overview



Applications and main features

Applications feeling (wired & rf):

- central heating
- boilers/burners
- circulation pumps or actuators
- motorized valves
- hydronic underfloor heating



Main features feeling (wired & rf):

- batteries replaceable from the front
- automatic summer/winter changeover
- total off function
- battery backup + EEPROM saving

