Versatronik® Lago Remote Control
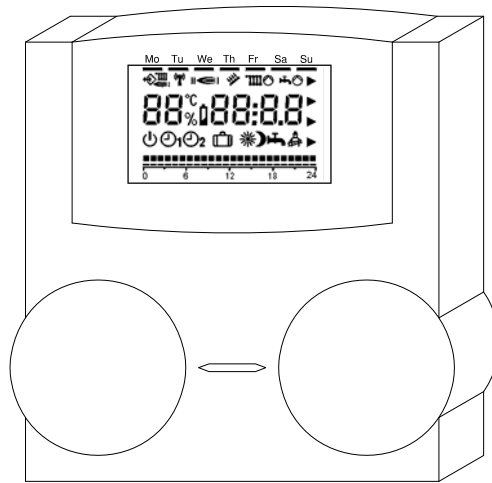
Part Number:
    KWE 704 060
    Vi 7416 062

Applicable Control:
    Versatronik 200 System Controller

**KWE
Technologies
Group**

Installation Datasheet


IMPORTANT

Read and save these instructions for future reference.

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⚠ **WARNING**

When extending wire there is the possibility of exposure to electromagnetic interference. Avoid running wires beside or near high voltage 120/240 VAC conductors. If proximity to high voltage conductors cannot be avoided, use stranded, twisted pair of shield design wire. Ensure that only one end of the shielding is grounded.

Accessories

Remote Heating Circuit Lago FB
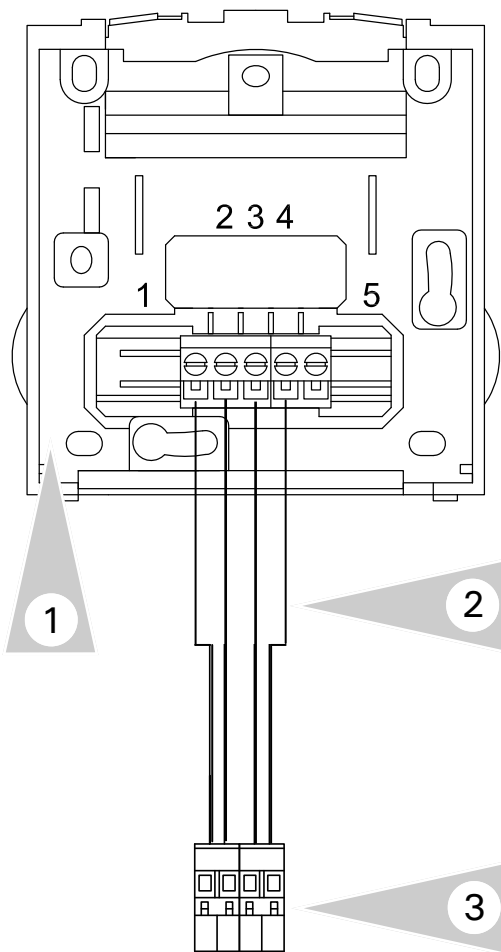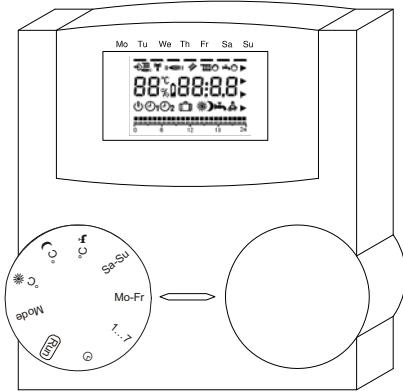
Lago Overview

The Versatronik Lago FB remote control is designed to operate as a remote control for mixing valve circuits. It communicates with the Versatronik 200 via CAN BUS communications.

The remote is mounted to a wall mounted sub-base which houses a wiring terminal strip.

The Lago is programmed to control mixing valve 1 and/or 2. It uses a multi-element LCD display to provide the user with comprehensive information.

- ▶ Rotating potentiometer for modifying the room temperature setting
  Adjusting range: (±5 K)
- ▶ Room control via the integrated room sensor
- ▶ Rotating switch for selecting operating mode
  - ⏻ Standby/OFF (frost protection only)
  - $\circlearrowleft_1$ Automatic mode (acc. to timer program 1 in controller)
  - $\circlearrowleft_2$ Automatic mode (acc. to timer program 2 in controller)
  - ☽ 24-hour night operation (reduction temperature)
  - ☼ 24-hour daytime operation (comfort temperature)
 - ⌣ Summer mode (heating OFF, hot water only)

Lago Installation

1. Sub-base for the Lago remote. Secure to wall with field supplied hardware.
2. Connect sub-base with field supplied 4 conductor cabling. If installing both remotes, they can be wired together by paralleling the terminal connections.
3. CAN BUS communication plug. The same connection plug is used with Coco OT communication adaptors. Parallel connections for second Lago if used
   H to terminal 1
   L to terminal 2
   — to terminal 3
   + to terminal 4

Remote Heating Circuit Lago FB Operation
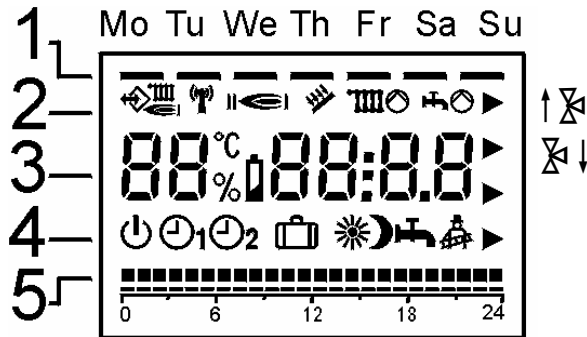
Operation Overview

There are three primary elements regarding the operation of the Lago remote control:

1. LCD display screen
2. Mode selector dial
3. Value selector dial

Utilizing all three of these elements will allow the user to perform temperature adjustments on the heating circuit as well as reviewing current information.

LCD Screen Information

1. Days of the week at the top of the screen
   Mo=Monday
   Tu=Tuesday
   We=Wednesday
   Th=Thursday
   Fr=Friday
   Sa=Saturday
   Su=Sunday
2. Status Indicators

⬦	BUS Communication OK
I⇒ II⇒	Burner Operation Burner stages I and II
▥ / ▥⊘	Heating Operation (⊘=Pump operation)
🚰 / 🚰⊘	DHW Operation (⊘=Pump operation)
↑⧓ / ⧓↓	Mixing Valve Operation Open/Closed signals

3. Current Information with dial set to *RUN* use value selector dial to select information.

C/F	Room Temperature and time
HO	Holiday mode of operation with remaining time in days.
AF	Outside Temperature (only with outside sensor)
⇒	Boiler temperature (System dependant)
▥	Supply temperature of heating circuit
🚰	DHW Tank temperature
E001	Fault indication

Accessories

### Remote Heating Circuit Lago FB Operation
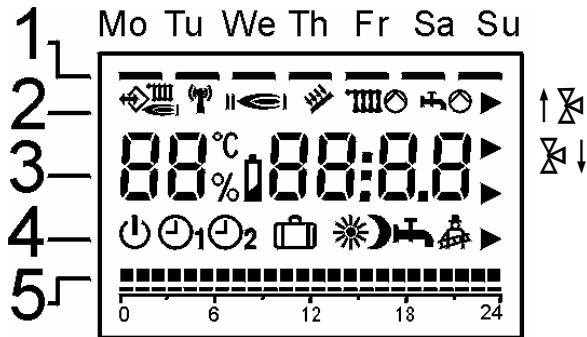
LCD Screen Information Continued

4. Operating Mode

⏻	Stand-by No heating operation and no DHW operation Only frost protection
⏲1	Heating with Operating Program 1
⏲2	Heating with Operating Program 2
☀	24hour normal heating operation 24hour DHW operation (coding 12)
☾	24hour reduced heating operation 24hour DHW operation (coding 12)
⛽	No heating operation (frost protection) DHW operation (coding 12)
⚗	Service Operation Boiler set point temperature coding 8, pump ON, deactivation after 15 mins
PL	Expert Level Programming codes 1 through 17
HO	Holiday Operation Use value selector dial to select number of days. Start time is immediate and ends on the last day at 24:00 hours. Set room temperature 15C/59F for 24h.

5. Heating program times in hours. Displays the time in one hour blocks

Changing the set values
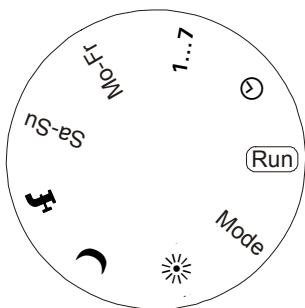
Run	Default display, sensor value display, holidays
Mode	Set/Display the operating mode, expert level, holiday function
☀	Set/Display the set point room temperature (day time)
☾	Set/Display the set point room temperature (night time)
⛽	Set/Display the hot water set temperature
Sa-Su	Set/Display the heating program 1 (Saturday to Sunday)
Mo-Fr	Set/Display the heating program 1 (Monday to Friday)
1...7	Set/Display the week days (Monday to Sunday)
⏲	Set/Display the time

Accessories

Remote Heating Circuit Lago FB Operation

Changing Heating Times ⏱1, ⏱2
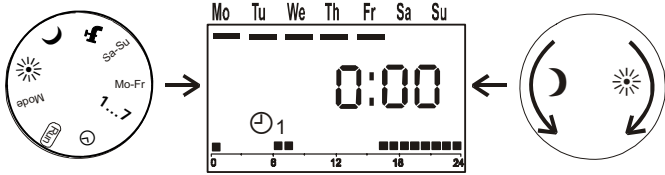
Set the mode selection dial to Mo-Fr. The first hour block flashes, the display shows 0:00 hours and the current heating program is indicated.

For the first reduction phase up to the next start of heating.
1.   Turn the value selector dial **LEFT** until the display shows the start time for the first heating period.

For the first heating period.
1.   Turn the value selector dial **RIGHT** until the display shows the end time for the first heating period

For the reduction phase up to the next start of heating.
1.   Turn the value selector dial **LEFT** until the display shows the start time for the second heating period.

For the following heating period.
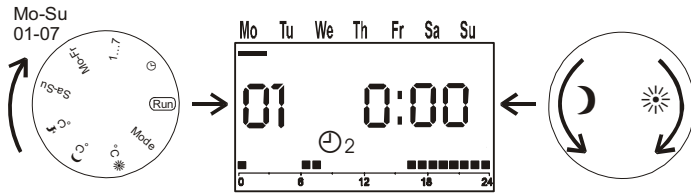1.   Turn the value selector dial RIGHT until the display shows the end time for the second heating period.

Programming is carried out rotatingly. After 23:45 hours, the hour block jumps back to 0:00 hours.

Heating Curve
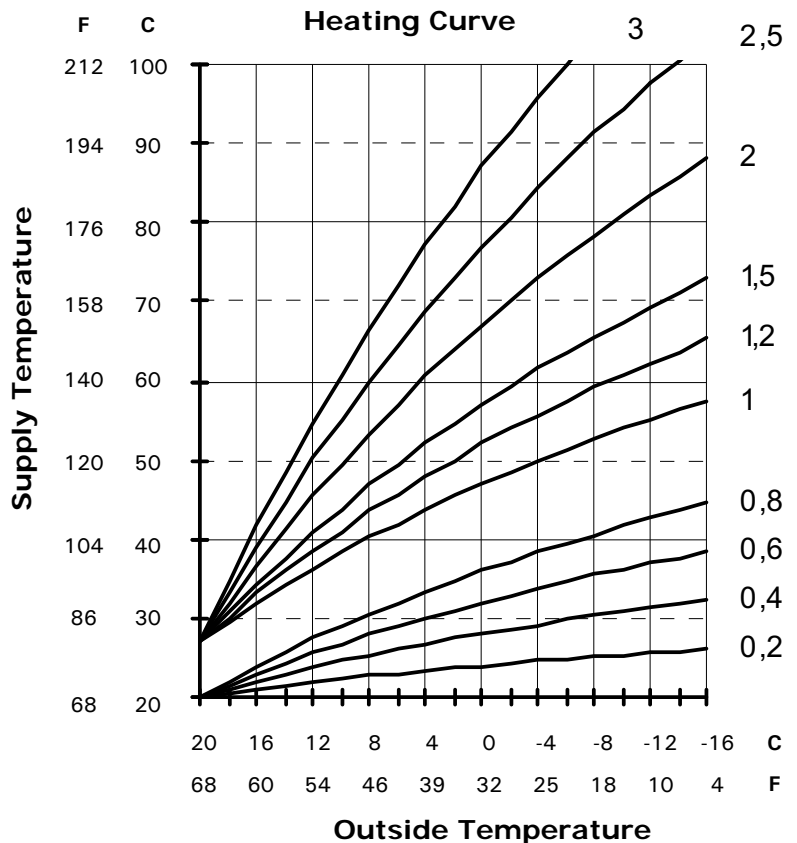
Accessories

Remote Heating Circuit Lago FB Operation Expert Level

Rotate Mode Selection Dial to **MODE**
Use Value Selection Dial to select *Expert Level PL*
Use Mode Selection Dial to select desired parameter.

Exiting Expert Level

Use Mode Selection Dial to select Entry/Return parameter. Display PL
Use Value Selection Dial to exit from expert level

Code	Description	Default	Range	Notes
01	Heating Program for Monday	6:00—8:00 16:00—22:00	00:00—24:00	Set values 01-07 Entry of heating program specific to day. Refer to Changing Heating Times. Use Mode Selector Dial to select week day Use Value Selector Dial to set heating program
02	Heating Program for Tuesday			
03	Heating Program for Wednesday			
04	Heating Program for Thursday			
05	Heating Program for Friday			
06	Heating Program for Saturday	7:00—23:00		
07	Heating Program for Sunday			
08	Maximum Supply Temperature	80C/176F	10C/50F—110C/230F	Maximum limit
09	Minimum Supply Temperature	30C/86F	10C/50F—110C/230F	Minimum temperature limit
10	Heating Slope	1.20	0.20—3.00	Outdoor temperature sensor req'd
11	Room Sensor Effect (P Controller)	10	Off, 0-20	The boiler temperature is increased by the set value when the room temperature drops below the desired room temperature by 1 degree
12	DHW Operation Mode	4	0-4	DHW Operating Mode 00=Off 01=DHW according to htg prog 01 02=DHW according to htg prog 02 03=DHW according to active htg prog 04=24h production
13	Room Sensor Correction	0	+/—5K/9Ra	Correction of actual room temperature display
14	Outside Temperature Frost Protect.	0C/32F	Off, -15C to +15C 5F to 41F	Frost protection setting
15	I—Controlled Portion (00:30 h)	OFF	Off, 03:00h—00:15h	Correction of the room temperature deviation. If the room temperature deviates by 1K for the set period, the supply temperature is increased by the value programmed at "Room sensor effect"
16	BUS ID	01	0-15	Number of the remote heating circuit values
17	Temperature Unit	C	C/F	Selected unit value