15.1.2 Features and Functions

The BRC1D61 is a state of the art remote controller that offers full control over your installation.

1 BASIC REMOTE CONTROLLER
The basic remote controller functions are:
- ON/OFF,
- operation mode change-over,
- temperature adjustment,
- air volume adjustment
- air flow direction adjustment.

2 CLOCK FUNCTION
The clock functions are:
- 24 hours real time clock,
- day of the week indicator.

3 SCHEDULE TIMER FUNCTION
The schedule timer functions are:
- a maximum of 5 actions can be programmed for each day of the week (totaling 35 actions),
- schedule timer can be enabled/disabled at any time,
- linked to a set temperature or a LIMIT operation or an OFF operation,
- "last command" overrules previous command until next scheduled command.

4 LIMIT OPERATION
Limit operation provides thermostat control within the range of the set minimum and maximum temperature. The minimum temperature setting will trigger heating, the maximum temperature setting will trigger cooling.

5 LEAVE HOME
The leave home function prevents the room temperature from dropping when the occupants are out for a longer period. If the room temperature drops below 10°C, heating is started automatically. As soon as 15°C is reached, the controller returns to its original status.

6 BUTTON PERMISSION LEVEL
Three hierarchical permission levels can be set to limit the user action.

15.1.3 Names and Functions

![Diagram of Wired Remote Controller with Weekly Schedule Timer]

Figure 1
15.1.4 Name and Function of Switches and Icons (Refer to figure 1)

1. ON/OFF BUTTON
   Press the ON/OFF button to start or stop the system.

2. OPERATION LAMP
   The operation lamp lights up during operation or blinks if a malfunction occurs.

3. OPERATION MODE ICON (FAN, DRY, AUTOMATIC, COOLING, HEATING)
   These icons indicate the current operation mode (HRV only) (AUTOMATIC, HEAT EXCHANGE, BYPASS).

4. VENTILATION MODE ICON
   These icons indicate the current ventilation mode (HRV only) (AUTOMATIC, HEAT EXCHANGE, BYPASS).

5. VENTILATION ICON
   The ventilation icon appears when the ventilation is adjusted with the ventilation amount button (HRV only). Simultaneously, the ventilation amount is indicated by the fan speed icon (see 22).

6. AIR CLEANING ICON
   This icon indicates that the air cleaning unit (option) is operational.

7. LEAVE HOME ICON
   The leave home icon shows the status of the leave home function.

<table>
<thead>
<tr>
<th></th>
<th>Leave home is enabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>Leave home is enabled</td>
</tr>
<tr>
<td>FLASHING</td>
<td>Leave home is active</td>
</tr>
<tr>
<td>OFF</td>
<td>Leave home is disabled</td>
</tr>
</tbody>
</table>

8. EXTERNAL CONTROL ICON
   This icon indicates that another controller with higher priority is controlling or disabling your installation.

9. CHANGE-OVER UNDER CENTRALISED CONTROL ICON
   This icon indicates that the change-over of the installation is under centralised control assigned to another indoor unit or optional cool/heat selector connected to the outdoor unit (= master remote controller).

10. DAY OF THE WEEK INDICATOR
    MON TUE WED THU FRI SAT SUN
    The day of the week indicator shows the current week day (or the set day when reading or programming the schedule timer).

11. CLOCK DISPLAY
    The clock display indicates the current time (or the action time when reading or programming the schedule timer).

12. MAXIMUM SET TEMPERATURE
    The maximum set temperature indicates the maximum set temperature when in limit operation.

13. MINIMUM SET TEMPERATURE
    The minimum set temperature indicates the minimum set temperature when in limit operation.

14. SCHEDULE TIMER ICON
    This icon indicates that the schedule timer is enabled.

15. ACTION ICONS 1 2 3 4 5
    These icons indicate the actions for each day of the schedule timer.

16. OFF ICON
    This icon indicates that the OFF action is selected when programming the schedule timer.

17. INSPECTION REQUIRED
    These icons indicate that inspection is required. Consult your installer.

18. SET TEMPERATURE DISPLAY
    This indicates the current set temperature of the installation (not shown in LIMIT operation or in FAN or DRY mode).

19. SETTING SETTING
    Not used, for service purposes only.

20. AIR FLOW DIRECTION ICON
    This icon indicates the air flow direction (only for installations with motorised air flow flaps).

21. NOT AVAILABLE
    This is displayed whenever a non-installed option is addressed or a function is not available.

22. FAN SPEED ICON
    This icon indicates the set fan speed.

23. DEFROST/HOTSTART MODE ICON
    This icon indicates that the defrost/hotstart mode is active.

24. AIR FILTER CLEANING TIME ICON
    This icon indicates the air filter must be cleaned. Refer to the manual of the indoor unit.

25. ELEMENT CLEANING TIME ICON
    This icon indicates the element must be cleaned (HRV only).

26. VENTILATION MODE BUTTON
    The ventilation mode button operates the HRV; refer to the HRV manual for more details.
27 VENTILATION AMOUNT BUTTON
This button sets the ventilation amount; refer to the HRV manual for more details.

28 INSPECTION/TEST OPERATION BUTTON
Not used, for service purposes only.

29 PROGRAMMING BUTTON
This button is a multi-purpose button. Depending on the previous manipulations of the user, the programming button can have various functions.

30 SCHEDULE TIMER BUTTON
This button enables or disables the schedule timer.

31 TIME ADJUST BUTTON
These buttons are used to adjust the clock or, when in programming mode, to adjust the programmed action time. Both buttons have an auto-repeat function.

32 TEMPERATURE ADJUST BUTTONS
These buttons are used to adjust the current setpoint or, when in programming mode, to adjust the programmed setpoint temperature (step = 1°C). Both buttons are also used to adjust the day of the week.

33 OPERATION CHANGE/MIN-MAX BUTTON
This button is a multi-purpose button. Depending on the previous manipulations of the user, it can have following functions:
1. select the operation mode of the installation (FAN, DRY, AUTOMATIC, COOLING, HEATING)
2. toggle between minimum temperature and maximum temperature when in limit operation

34 SETPOINT/LIMIT BUTTON
This button toggles between setpoint, limit operation or OFF (programming mode only).

35 FAN SPEED BUTTON
This button toggles between L (Low), H (High), HH (very High), @ (Automatic).

36 AIR FLOW DIRECTION ADJUST BUTTON
This button enables to adjust the air flow direction.

37 AIR FILTER CLEANING TIME ICON RESET BUTTON
This button is used to reset the air filter cleaning time icon.

15.1.5 Installation