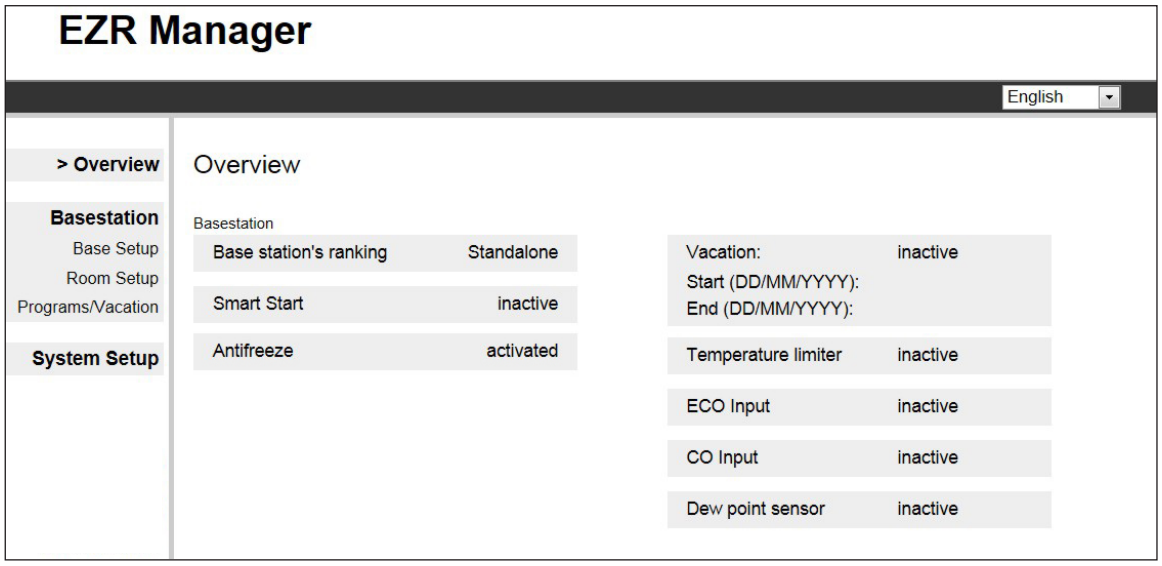
EZR Manager



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1 General

1.1 Description

The EZR Manager is a browser-based tool for the comfortable configuration of your room-by-room temperature control system via the home network and world-wide over the Internet.

1.2 Preconditions

The basic condition is the integration of the base station to the home network and the allocation of an individual IP address. You can find further information about the integration in the base station manual.

An active Internet connection is necessary for the operation and control of the room-by-room temperature control,

- ✓ a valid user account is required for the EZR Manager Remote,
- ✓ up to software version 01.70, the MicroSD card included in the scope of delivery must be inserted in the respective slot in the base station; no MicroSD card is required as of software version 01.70.

1.3 User account for cloud functionality

Proceed as follows for creating a user account:

- ➢ Open **www.ezr-home.de.**
- ➢ Click on the tab **EZR Manager Remote.**
- ➢ Select the menu item **Register** on the left.

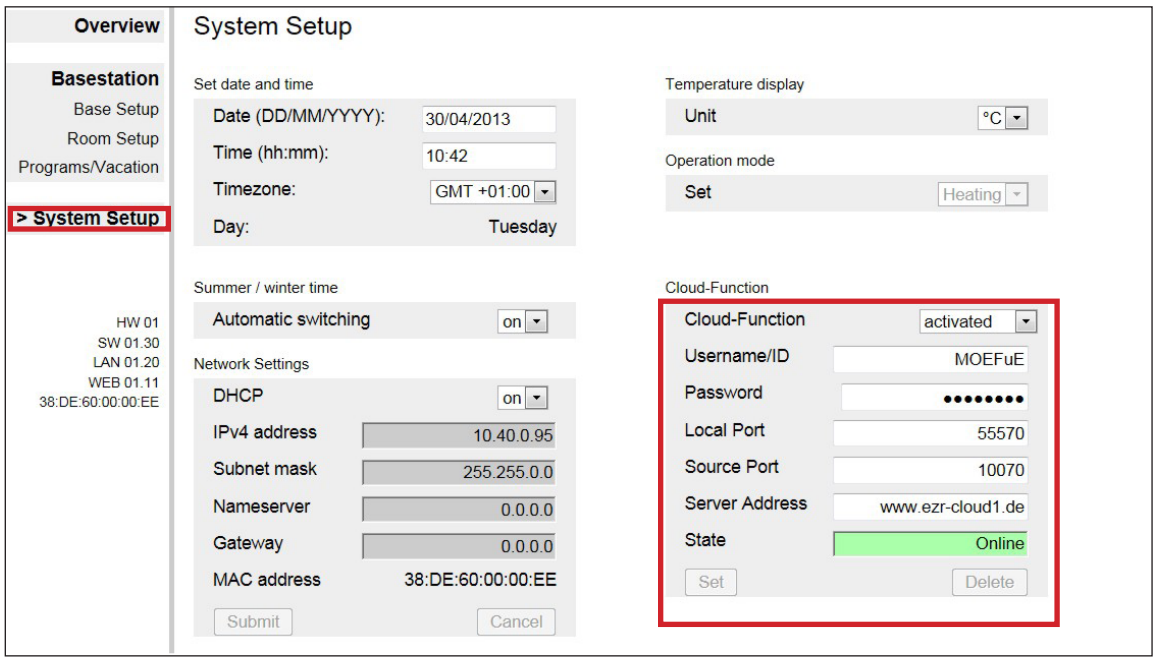
Note: Special characters in the user name are not permitted. Please note that the password is case sensitive.

- ➢ Enter your data in the form. Required fields are marked with an asterisk *.
- ➢ You will receive a confirmation via e-mail after a successful registration.

1.4 Activation of the cloud functionality of the base station

Proceed as follows in order to activate the cloud functionality of your base station:

- ➢ Open the EZR Manager of your base station via the home network (you can find further information about this in the base station manual).

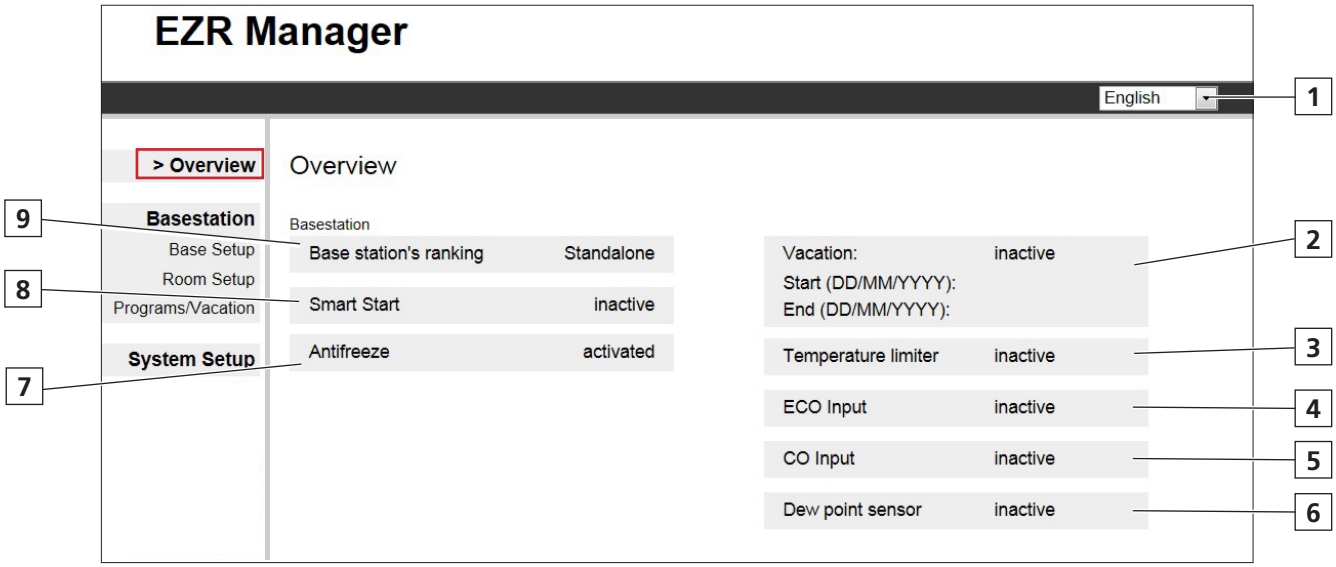


- ➢ Change to the menu **System Setup.**
- ➢ Activate the **Cloud Function** and enter your user name and **password**, selected during registration, in the corresponding fields.
- ➢ Click on **Accept.**
- ✓ As of now, the base station is at your disposition in the user account of the **EZR Manager Remote** under **www.ezr-home.de.**

Note: The communication between Base and Cloud is established via the Local Port and the Source Port. If several base stations are operated in the same network, an individual Local Port and an individual Source Port must be allocated manually to every base station, up to software version 1.70. It is recommended to increase both ports by +1 with respect to the previously registered basis. As of software version 1.70, the port addresses are assigned automatically. The ports might need to be activated in protected networks and corporate networks.

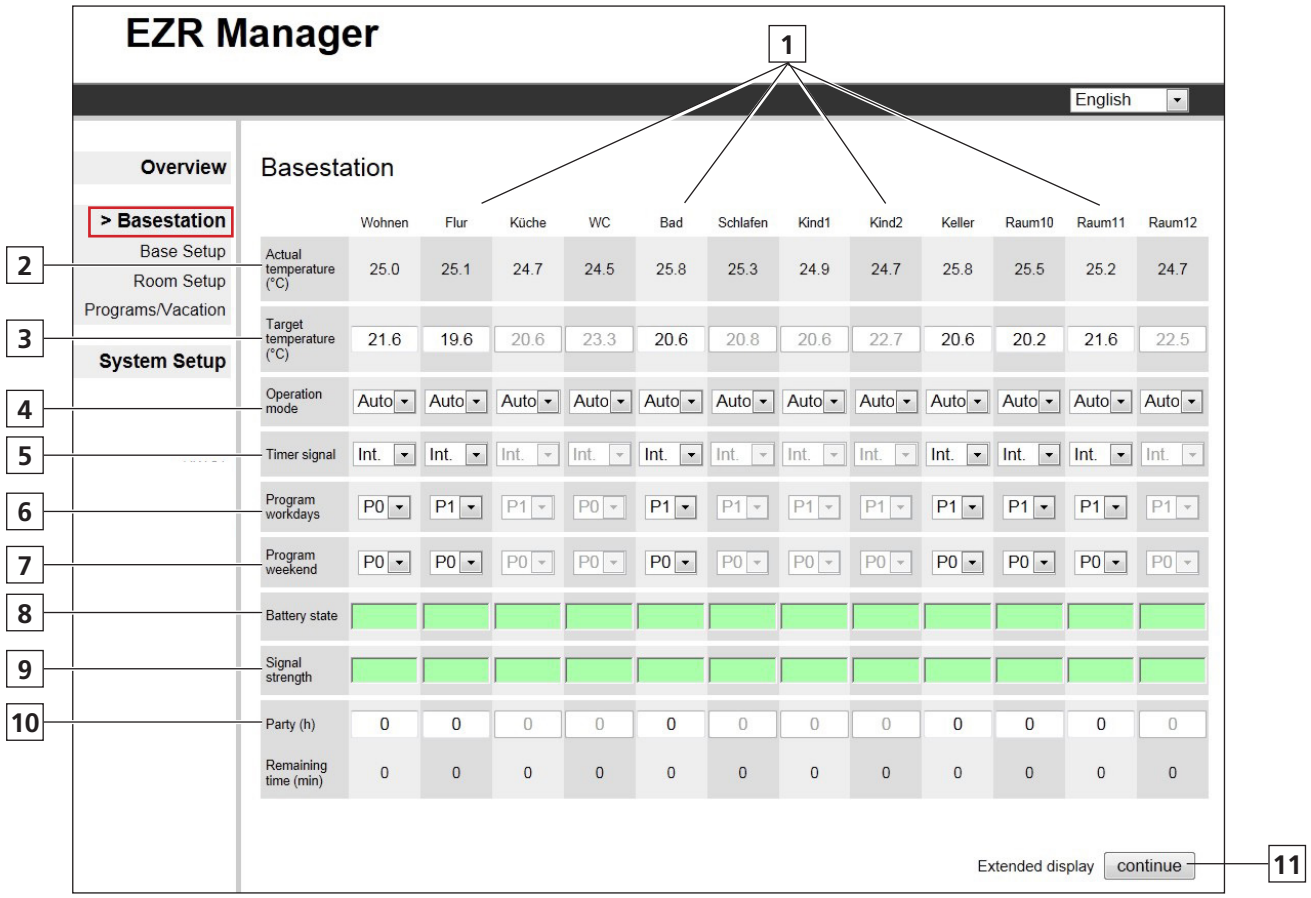
2 Operation

2.1 Overview



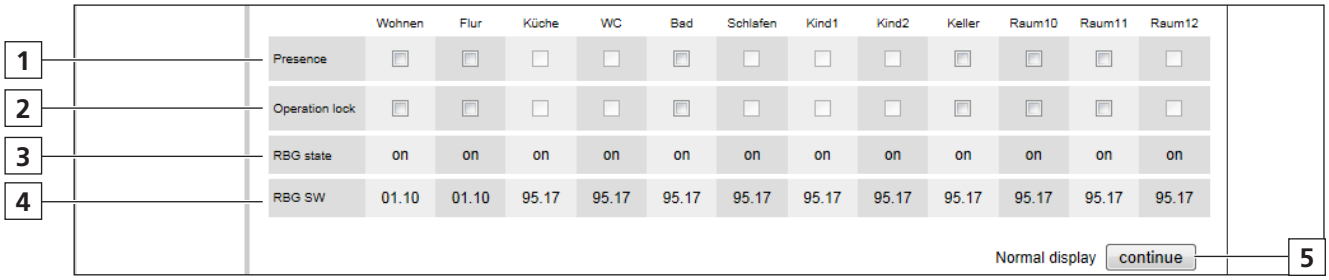
	Name	Function
1	Language selection	You can use this button for selecting another language.
2	Vacations	Shows whether the vacation function is currently activated or deactivated or whether vacations are planned for a defined period. Furthermore the planned vacation times are displayed here.
3	Temperature limiter	If an optional safety temperature limiter is used, all valves are closed when a critical temperature (status = activated) is exceeded in order to avoid damage to sensitive floor coverings.
4	Reduction input	The base station is equipped with an ECO input for connecting an external timer, if the internal clock of the room control unit Radio Display shall not be used. When the input is activated by the timer, the heating zones which are in the operating mode “automatic” are switched to night operation.
5	CO input	If an external change-over signal is used, the overall installation switches accordingly between heating and cooling (status activated = system is in cooling mode).
6	Dew point sensor	If the installation is equipped with a dew point sensor (provided by the customer), the valves of all heating zones are closed if dewing is detected (status = activated) in order to avoid damages due to humidity. The dew point sensor input is only used during cooling operation.
7	Antifreeze protection	Shows whether the antifreeze function is activated or deactivated. If the antifreeze function is activated, antifreeze is switched on automatically at a certain temperature in order to avoid a freezing of the tubes.
8	Smart Start	Shows the status of the Smart Start function. When activated, the base station automatically calculates the required line-up time for heating/cooling, using numerous values.
9	Rank of the base in the system	Shows whether the base station is operated in stand-alone or in compound as master or slave unit.

2.2 Base station (freely selectable name)



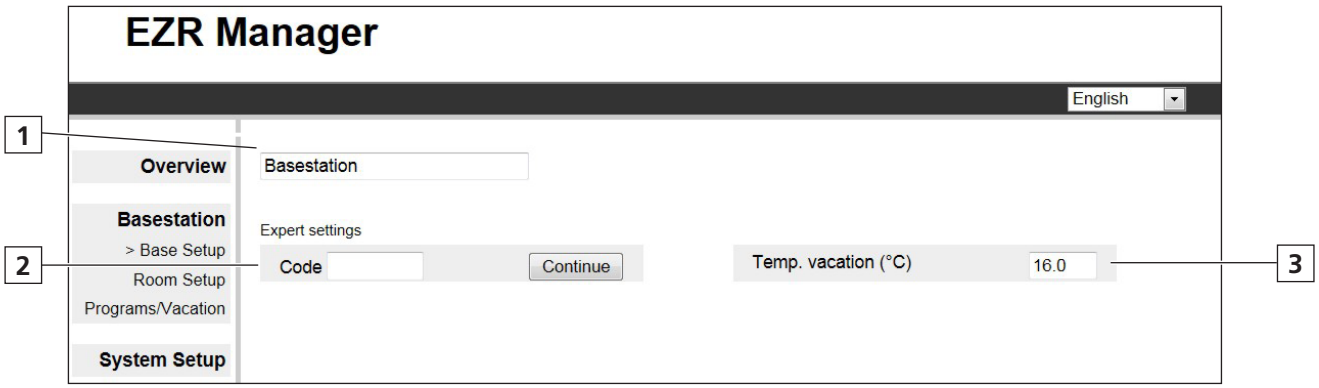
	Name	Function
1	Heating zone name	Freely definable name of the respective heating zone via the “Room Set-up” menu. 1 to 12 heating zones are displayed depending on the base station and the amount of connected room control units.
2	Actual temperature °C	Shows the measured, current room temperature of the respective heating zone.
3	Target temperature °C	With this button you can set the desired target temperature for the respective heating zone (only for Room Control Unit Display).
4	Operating status	With this button you can toggle between the modes Day, Night and Auto for the respective heating zone. Day = permanent control according to the target temperature set at the room control unit Night = Night reduction to a defined reduction level Auto = Control according to the set comfort programs (P0 to P3)
5	Timer signal	With this button you can set whether you want to use an external or an internal clock.
6	Working day program	Shows whether a comfort program is used for the week days Monday to Friday, and which one. Can only be set if the internal timer signal is used.
7	Weekend program	Shows whether a comfort program is used for the week days Saturday and Sunday, and which one. Can only be set if the internal timer signal is used.
8	Battery status (only wireless variant)	Shows the loading status of the battery. Green = OK, yellow = to be changed soon, red = change batteries immediately
9	Radio signal (only wireless variant)	Shows the radio connection quality. Green = OK, yellow = bad radio connection, red = no radio connection.
10	Party function/remaining time	Allows the activation of the party function for xx hours. The remaining time of an activated party function is displayed in minutes in the lower part.
11	Extended view	This button opens an extended view of the menu.

2.3 Base station - extended view



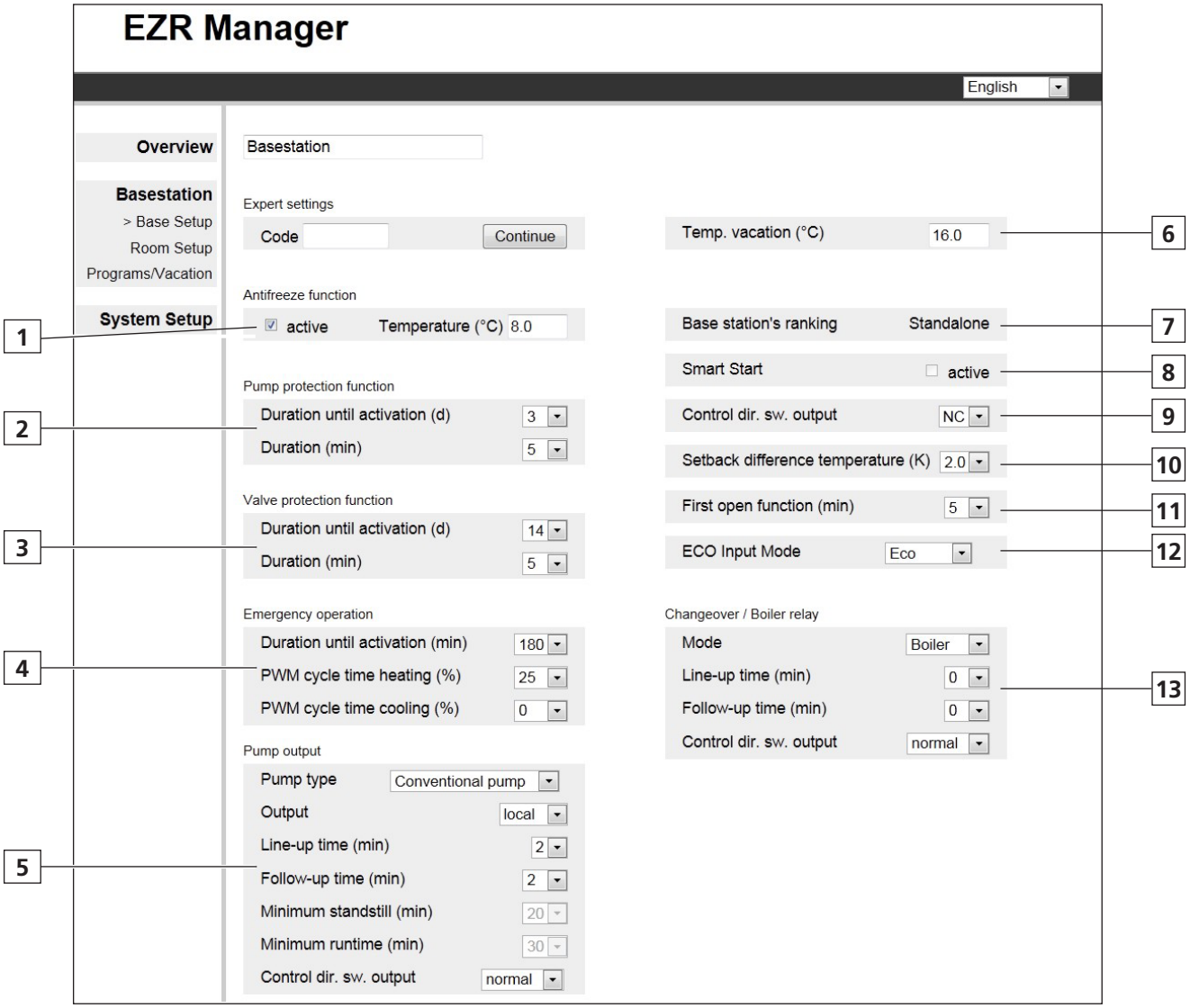
	Name	Function
1	Presence	Tick the check box if the weekend comfort program shall also be used for working days (e. g. if you spend your vacations at home and if you do not with a daytime reduction). This function is only available in automatic mode and only for the Room Control Unit Radio Display. The Presence mode is only active until the next setting time and will then be set back.
2	Operating lock	Tick the check box in order to activate the child safety lock at the Room Control Unit Radio Display.
3	Room Control Unit status	This status display shows whether the Room Control Unit is switched on or off (only Room Control Unit Radio Display).
4	RBG SW	Displays the software version of the respective room control unit (RBG).
5	Normal display	The button closes the extended view.

2.4 Base set-up final user level



	Name	Function
1	Base station name	This field allows the assignment of a name for the base station. Only use alphanumerical characters for the name, no special characters. The maximum length is 12 characters. The name entered here will also be used in the cloud. ATTENTION! The base station is restarted after assigning the name. This requires a new login.
2	Expert settings	ATTENTION! The expert settings may only be used by expert technicians. The service level of the base station is protected by PIN code (1234). When you enter this code you access the service level.
3	Vacation temperature	Here you can set the temperature to be used as the reduction value when the vacations mode is activated.

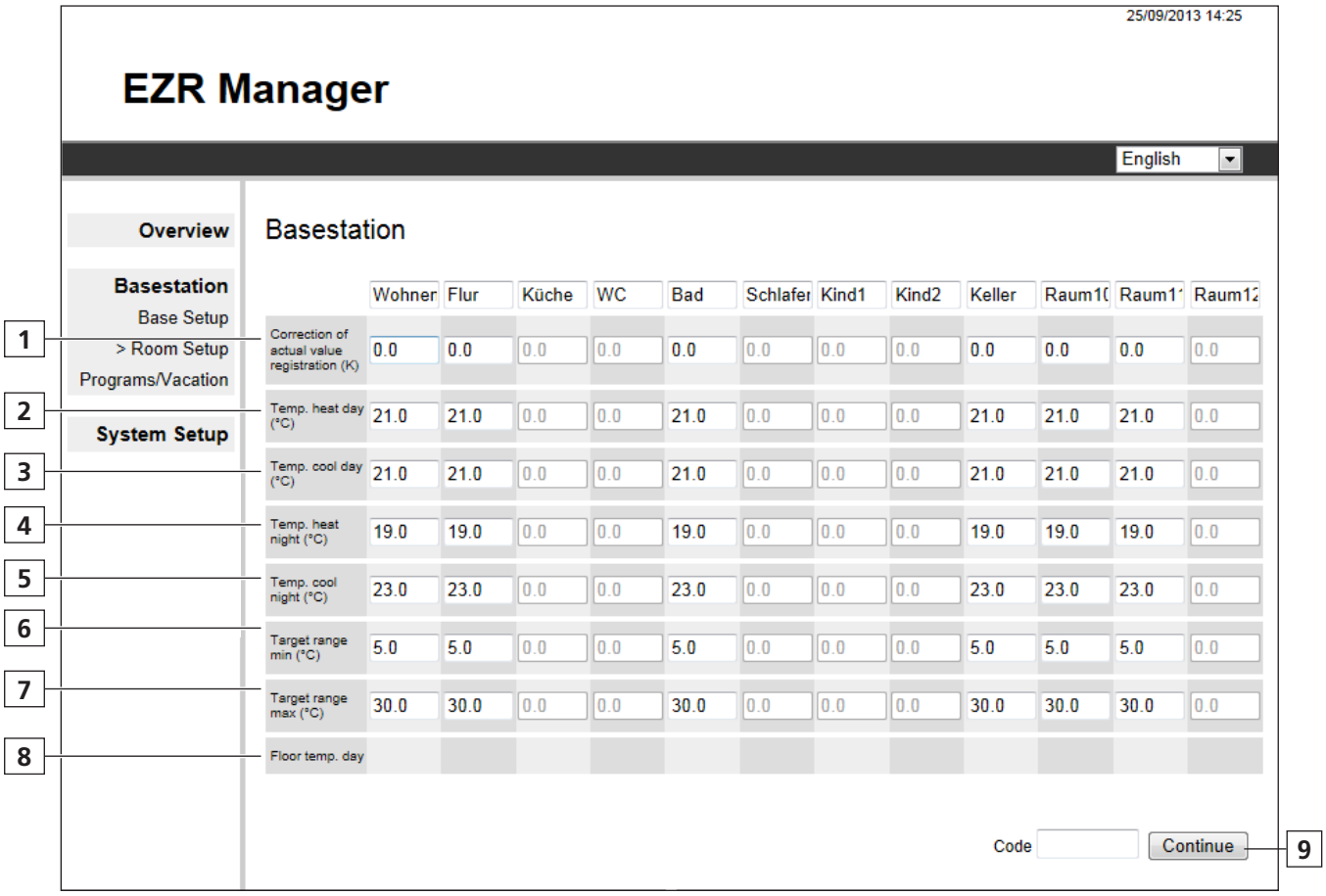
2.5 Base set-up expert level



2.5 Base set-up expert level (continued)

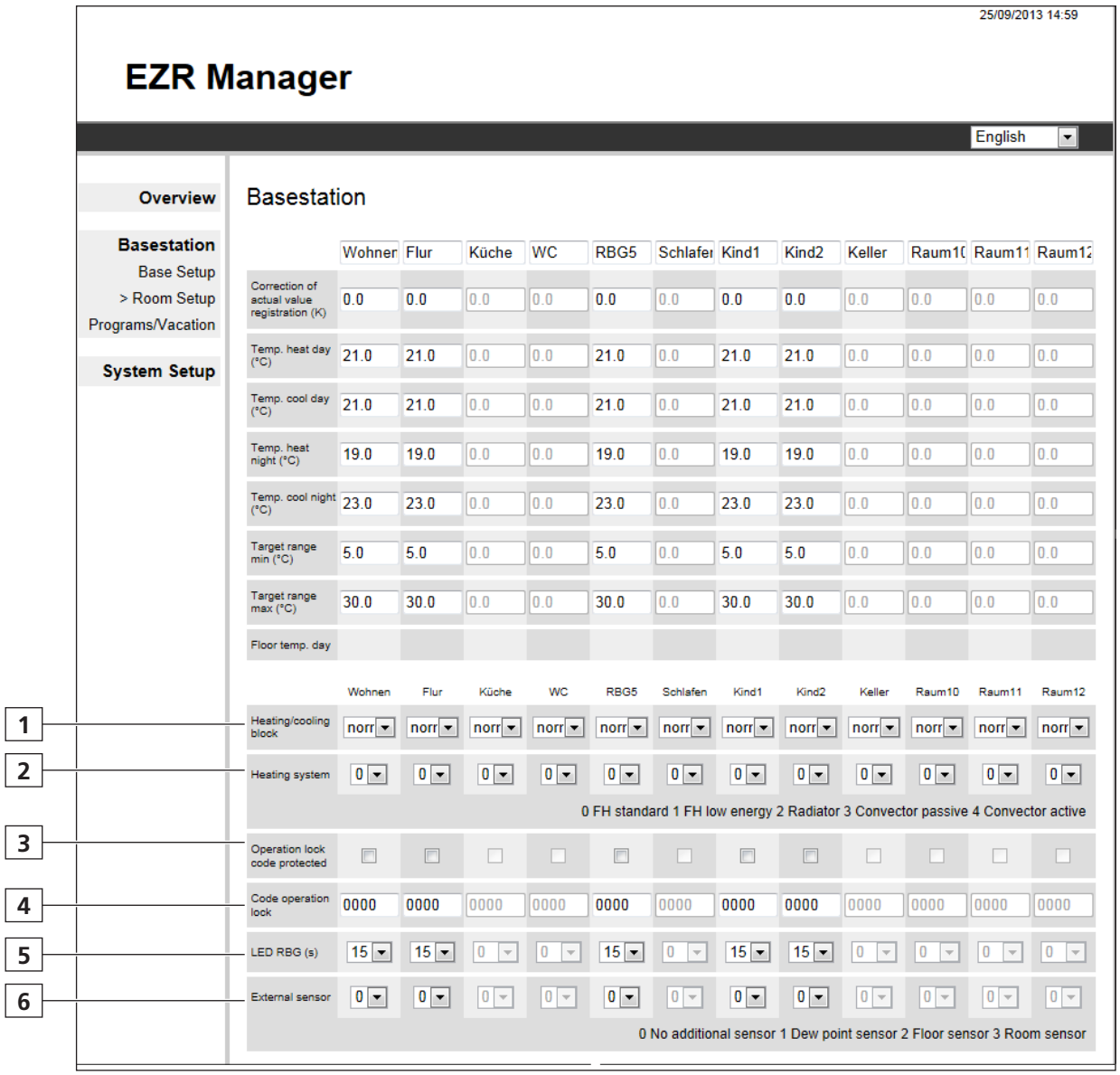
	Name	Function
1	Antifreeze protection	With this button you can activate/deactivate the antifreeze function and define the threshold temperature for the antifreeze function.
2	Pump protection function	This button allows to set the duration for the activation of the pump protection function as well as the control time in minutes.
3	Valve protection function	This button allows to set the duration for the activation of the valve protection function as well as the control time in minutes.
4	Emergency operation	This button allows to set the minutes until the activation of the emergency operation. Furthermore you can set the cycle duration PWM heating and cooling.
5	Pump output	You can set the used type of pump (conventional pump or high efficiency pump) at the pump output buttons. If the base station is operated in a network and defined as master, the output can be set to "global", for the change-over of all connected base stations. If a central pump is used, the setting "global" must be used. Depending on the used type, you can set the line-up time and the follow-up time of a conventional pump, or the minimum standstill time and the minimum running time of a high efficiency pump, in minutes. The control direction of the pump can be inverted via the control direction switching output.
6	Vacations temperature	Here you can set the temperature to be used as the reduction value when the vacations mode is activated.
7	Rank of the base in the system	Shows whether the base station is operated in stand-alone or in compound as master or slave unit.
8	Smart Start	This button allows to activate/deactivate the Smart Start function.
9	Control direction switching outputs	Allows the parametrisation of the base station for NC (normally closed) or NO (normally open) drives.
10	Setback difference temperature	This button allows you to set by how many degrees Kelvin the temperature is reduced when the external input is activated or during the reduction times of the heating programs P0 to P3.
11	First Open function (min)	This button allows to set how long the "First Open" function is activated when the base station is started.
12	Function reduction input	With this button you select the application for the external input. The functions Reduction and Vacations are available.
13	Change over/boiler relay	Using the buttons Change Over/Boiler Relay you select whether the switching output shall be used for controlling a pump relay, or as CO Pilot. **Note:** In the setting CO Pilot the change-over between heating/cooling is performed via the Internet or a Room Control Unit with display. The CO input will not be evaluated any longer.

2.6 Room set-up final user level



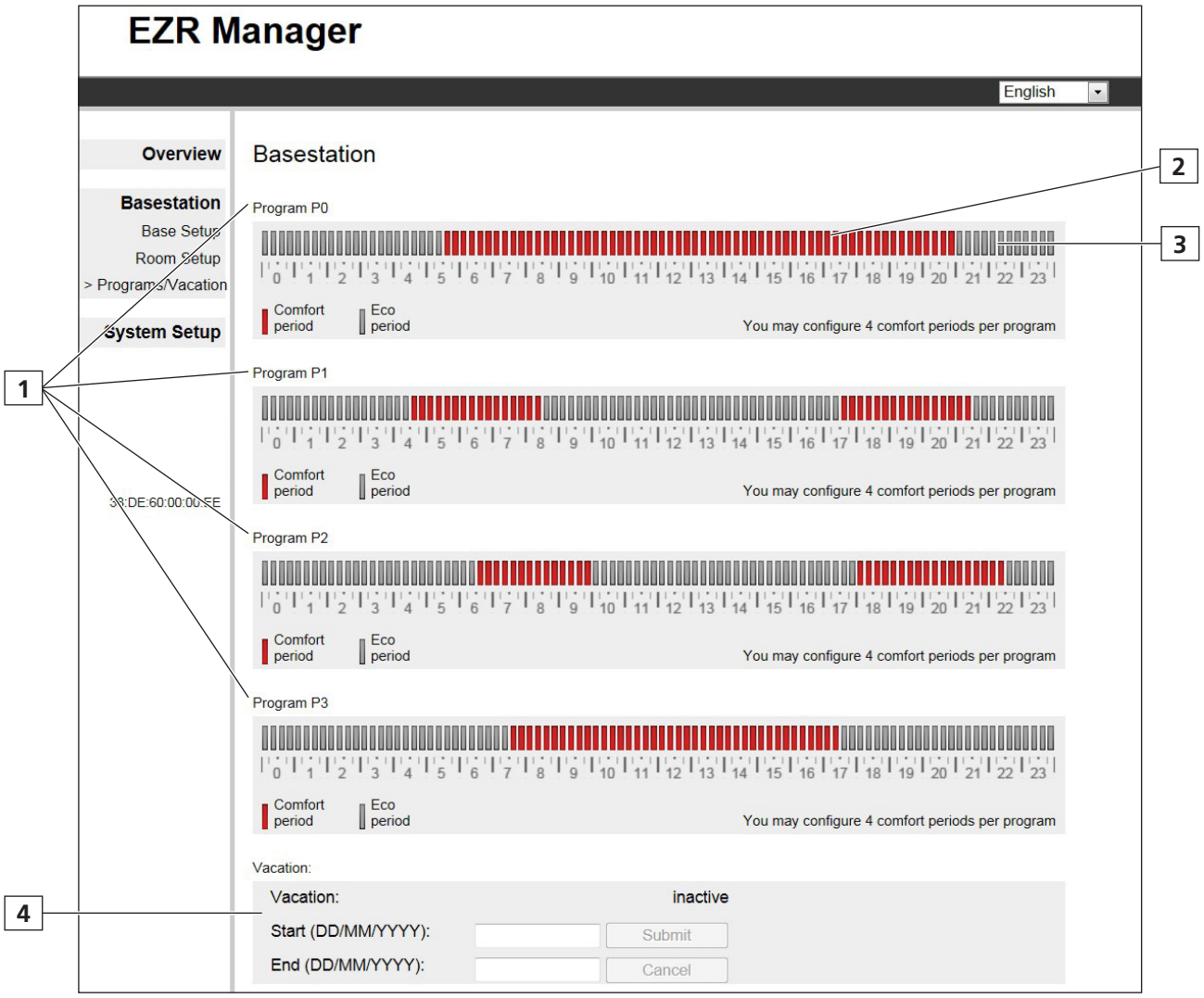
	Name	Function
1	Temperature offset	If necessary, a correction factor is applied to the registration of the actual temperature in this dialogue box. Values between -2.0 to +2.0 in increments of 0.1 are possible.
2	Heating temperature day mode	Here you set the target temperature for the Heating Day mode. If the target temperature is changed at a room control unit, the change remains active until the next switching time. After that, the temperature set here is used.
3	Cooling temperature night	Here you set the target temperature for the Cooling Day mode. If the target temperature is changed at a room control unit, the change remains active until the next switching time. After that, the temperature set here is used.
4	Heating temperature night	Here you set the reduction temperature for the Heating Night mode. If the target temperature is changed at a room control unit, the change remains active until the next switching time. After that, the temperature set here is used.
5	Cooling temperature night	Here you set the reduction temperature for the Cooling Night mode. If the target temperature is changed at a room control unit, the change remains active until the next switching time. After that, the temperature set here is used.
6	Target setting range Min	Here you define the lowest settable target temperature for the respective Room Control Unit.
7	Target setting range Max	Here you define the highest settable target temperature for the respective Room Control Unit.
8	Floor temperature day	This dialogue box is only active when a floor sensor is used. It allows the setting of a minimum floor temperature.
9	Code entry	The expert technician service level is accessed by entering the PIN code (1234).

2.7 Room set-up expert level



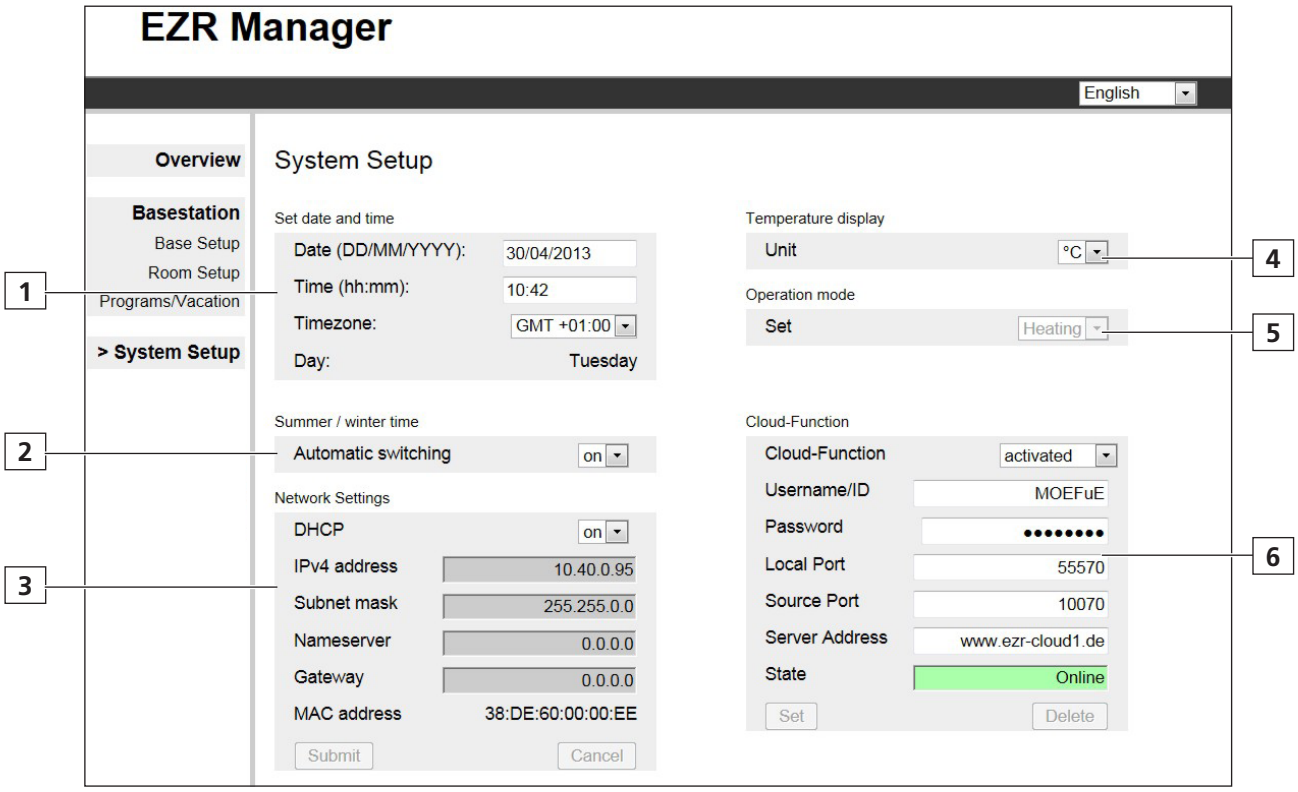
	Name	Function
1	Operating mode Locking	With this button you can lock the operating modes Heating or Cooling for the respective heating zone. If “normal” is selected, no operating mode is locked.
2	Heating system	With this button you select the tempering system used in the respective heating zone.
3	Operating lock code-protected	With this check box you select whether the operation of the Room Control Unit shall be protected by a PIN code (only available for Room Control Unit Display.)
4	Operating lock code	In this entry box you define a PIN code for a desired operating lock (only available for Room Control Unit Display).
5	LED RBG (s) (only BUS variant)	The room control units of the BUS variant are equipped with background illumination. The set time indicates how long the display will be illuminated after making settings.
6	External sensor	The Room Control Unit Radio Display can be equipped with an additional sensor. Here you can parametrise which type of sensor is used.

2.8 Programs/vacations



	Name	Function
1	Program P0 to P3	Four heating programs allow a perfect adaptation of the installation to your requirements.
2	Comfort time	Comfort times during which the installation sets the desires comfort temperature are marked red. Comfort times are activated or deactivated by simply clicking the corresponding bars. A maximum of 4 blocks with comfort times can be set per heating program.
3	Setback time	Setback times during which the installation changes to the economy mode are marked in grey. The desired times are activated or deactivated by simply clicking the corresponding bars.
4	Vacations	Enter your vacations data here. The temperature is reduced to the set vacations temperature during this time.

2.9 System set-up



	Name	Function
1	Setting date and time	Here you set time and date of the base station.
2	Winter/summer time	With this button you activate/deactivate the automatic toggle between summer and winter time.
3	Network settings	If the option DHCP is activated, the router/switch of your home network automatically assigns an IP address to the base station. DHCP must be deactivated for manual assignment. Subsequently the fields IPv4 address and subnet mask are activated for editing.
4	Temperature display	These buttons allow to change the temperature values from °C to °F and vice versa.
5	Operating mode	This button allows to change between the heating modes Heating and Cooling. This button can only be used if CO pilot is active. If the CO input is used, the current status (heating or cooling active) is displayed here.
6	Cloud function	These entry fields allow the activation of the cloud functionality (remote access over the Internet) for the base station. You can find further information of this in section 1.4. **Note:** The communication between Base and Cloud is established via the Local Port and the Source Port. If several base stations are operated in the same network, an individual Local Port and an individual Source Port must be allocated manually to every base station, up to software version 1.70. It is recommended to increase both ports by +1 with respect to the previously registered basis. As of software version 1.70, the port addresses are assigned automatically. The ports might need to be activated in protected networks and corporate networks.