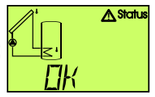
Parameter menu ESR 31 Vers. 3.4

Display after switching on

Optional displays or T3 or external sensors

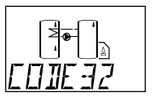
Status display



Function check activated -> no error

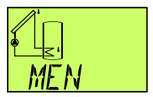
Function check activated -> error occurred

Parameter menu

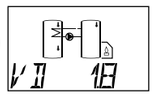


Activate input
Change **code**
Confirm entry

Main menu

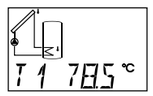


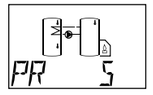
Submenus see page 2



The **version** indicates the development status of the control engineering to the technician.

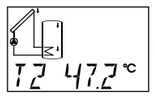
Temperature sensor T1



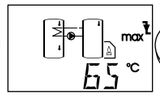


Activate input
Change **program number**
Confirm entry

Temperature sensor T2

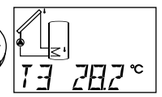


max= Max limit
= switch-off threshold
max Switch-off temp.

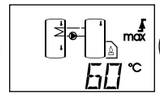


Activate input
Change value
Confirm entry

Temperature sensor T3



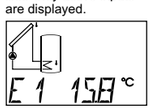
max= Max limit
= switch-on threshold
max Re-switch-on temp.



Activate input
Change value
Confirm entry

The **operating manual** describes the allocation of switching thresholds for the selected program in the **"necessary settings"**

Values of **external sensors**, which are read-in via the data link. Only active inputs are displayed.

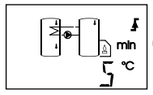


...

ERR means that no valid value has been read. In this case the external value is set to 0.

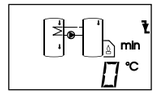
Optional Displays

min = Min limit
= switch-on threshold
min Switch-on temp.



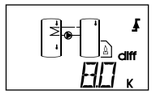
Activate input
Change value
Confirm entry

min = Min limit
= switch-on threshold
min Switch-off temp.



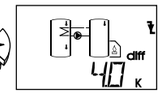
Activate input
Change value
Confirm entry

diff = Difference
= switch-on threshold
diff Switch-on diff.

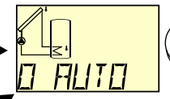


Activate input
Change value
Confirm entry

diff = Difference
= switch-off threshold
diff Switch-off diff.



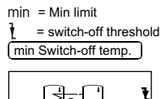
Activate input
Change value
Confirm entry



Change the output operating mode

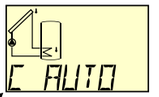
Manual OFF

Manual ON



Automatic mode
confirm
back

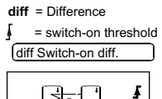
...



Change the control output operating mode

Manual 0 Volt

Manual 10 Volt



Automatic mode
confirm
back

CETOFF
Collector - excess temperature - cut-off is active

CIRCER
Circulation error only displayed when activated

NO ERR
No errors!

S1 IR
Error sensor 1 (interruption)

S2 SC
Error sensor 2 (short circuit)

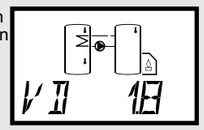
CLEAR
Reset error

1 access menu

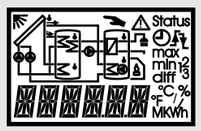
2 change (flashing text = ready for entering)

3 confirm

After startup the type designation and the version number are again shown in the display. This gives information about the device intelligence (important for support queries).



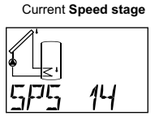
All display segments are momentarily displayed when the device is started up.



The factory setting is loaded by pressing button during plugging in. The following appears on the display: (Load factory setting)

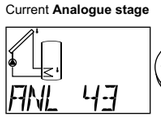
OPTIONAL DISPLAYS (after T3 or ext. sensors)

Current **Speed stage**



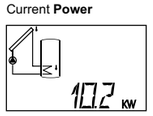
This display only appears if pump speed control **(PSC)** is activated. The currently output speed stage is indicated (example 14).

Current **Analogue stage**



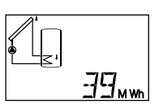
This display only appears when the control output is activated. The currently output analog value is displayed (example: 43 = 4.3V or 43% (PWM)

Current **Power**



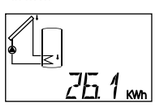
The currently determined power equals 10.2 kW. This value is calculated from the flow temperature, return temperature and volume flow in the heat quantity counter.

Counted heat quantity in MWh

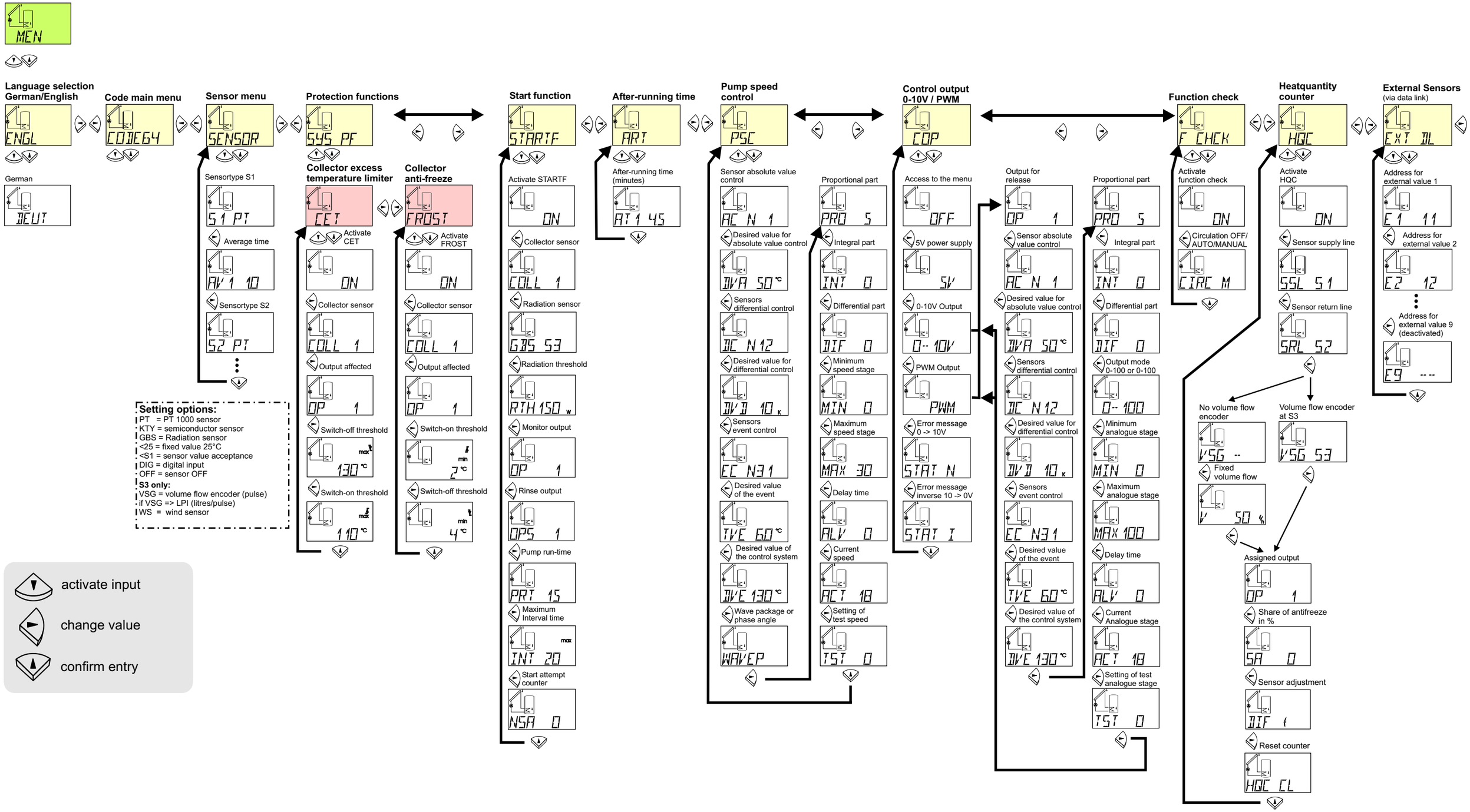


Total heat quantity in MWh.

Counted heat quantity in kWh



Total heat quantity in kWh



Main menu ESR 31

Technische Alternative RT GmbH © 2017