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

Eingabe bestätigen

Main menu

Submenus see page 2

Version indicates the state of the controller's software.

Display after switching on

Temperature sensor T1

max= Max limit

= switch-off threshold

= max 1 switch-off temp

Activate input

Change value

Confirm input

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

Temperature sensor T2

max= Max limit

= switch-on threshold

= max 1 Re-switch-on temp.

Activate input

Change value

Confirm input

Temperature sensor T3

min = Min limit.

= switch-on threshold

= min 1 Switch-on temp.

Activate input

Change value

Confirm input

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

min = Min limit.

= switch-off threshold

= min 1 Switch-off temp.

Activate input

Change value

Confirm input

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

diff 1 switch-on threshold

Activate input

Change value

Confirm input

diff 1 switch-off threshold

Activate input

Change value

Confirm input

Optional displays

Error messages

OVER T
Collector - excess temperature - cut-off is active

CIRCER
Circulation error

NO ERR
No errors

S1 IR
Error sensor 1 (interruption)

S2 SC
Error sensor 2 (short circuit)

CLEAR
Clear error messages

OPTIONAL DISPLAYS (after T3 or ext. sensors)

Current Analogue stage

This display only appears if the control output is activated. The currently output analog value is displayed (example: 89 = 8.9 or 89% (PWM)

current **output**

The currently determined power equals 81.6 kW. This value is calculated from the flow temperature, return temperature and volume flow in the heat meter.

Heat meter in MWh

Total heat meter in MWh

Heat meter in kWh

Total heat meter in kWh

1 access menu

2 change (flashing text = ready for entering)

3 confirm

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

Stat Par Men MkWh K °C

maxmindiff123

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

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

Change the output operating mode

Manual OFF

Manual ON

Automatic mode

confirm

back

Change the control outputoperating mode

Manual 10V

Manual 10V

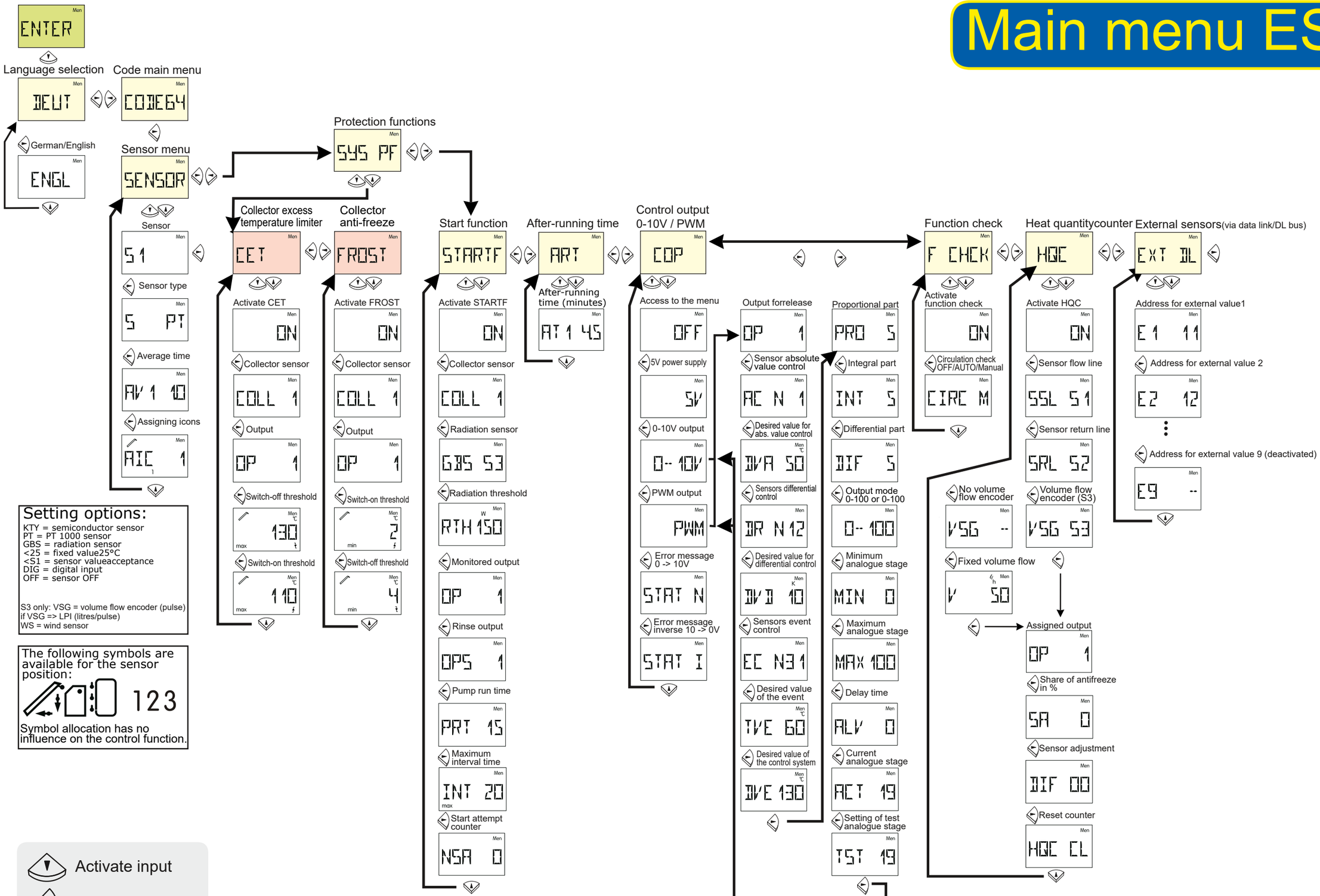
Automatic mode

confirm

back

Parameter menu ESR32 Vers. 1.2

Main menu ESR32



Setting options:

KTY = semiconductor sensor
PT = PT 1000 sensor
GBS = radiation sensor
<25 = fixed value25°C
<S1 = sensor valueacceptance
DIG = digital input
OFF = sensor OFF

S3 only: VSG = volume flow encoder (pulse)
if VSG => LPI (litres/pulse)
WS = wind sensor

The following symbols are available for the sensor position:

Symbol allocation has no influence on the control function.

Activate input

Change value

Confirm input