

Front View



- | | |
|------------------------------------|----------------------|
| ① Status temperature steps 1 and 2 | ⑤ Level display |
| ② Status level steps 3 and 4 | ⑥ Level unit |
| ③ Temperature unit | ⑦ Operating elements |
| ④ Temperature display | |

Controller operation manual

Switching on:

After power-up PAN-1, device prints „PAN“, Version and last 4 digits of its ordernumber***. After that actual values will be displayed.

Menue-stages

- View parameters
- set parameters

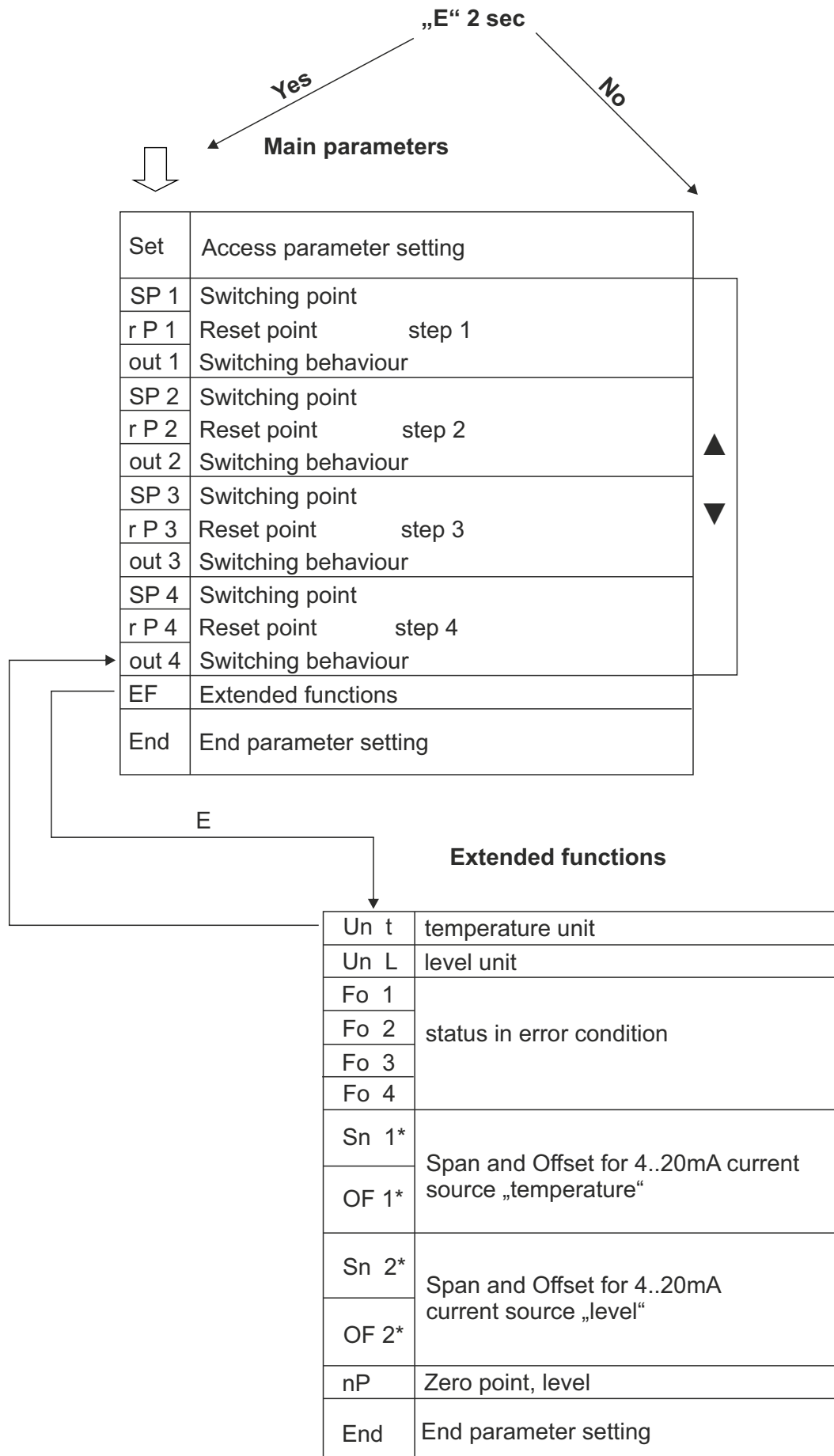
Operation-button:

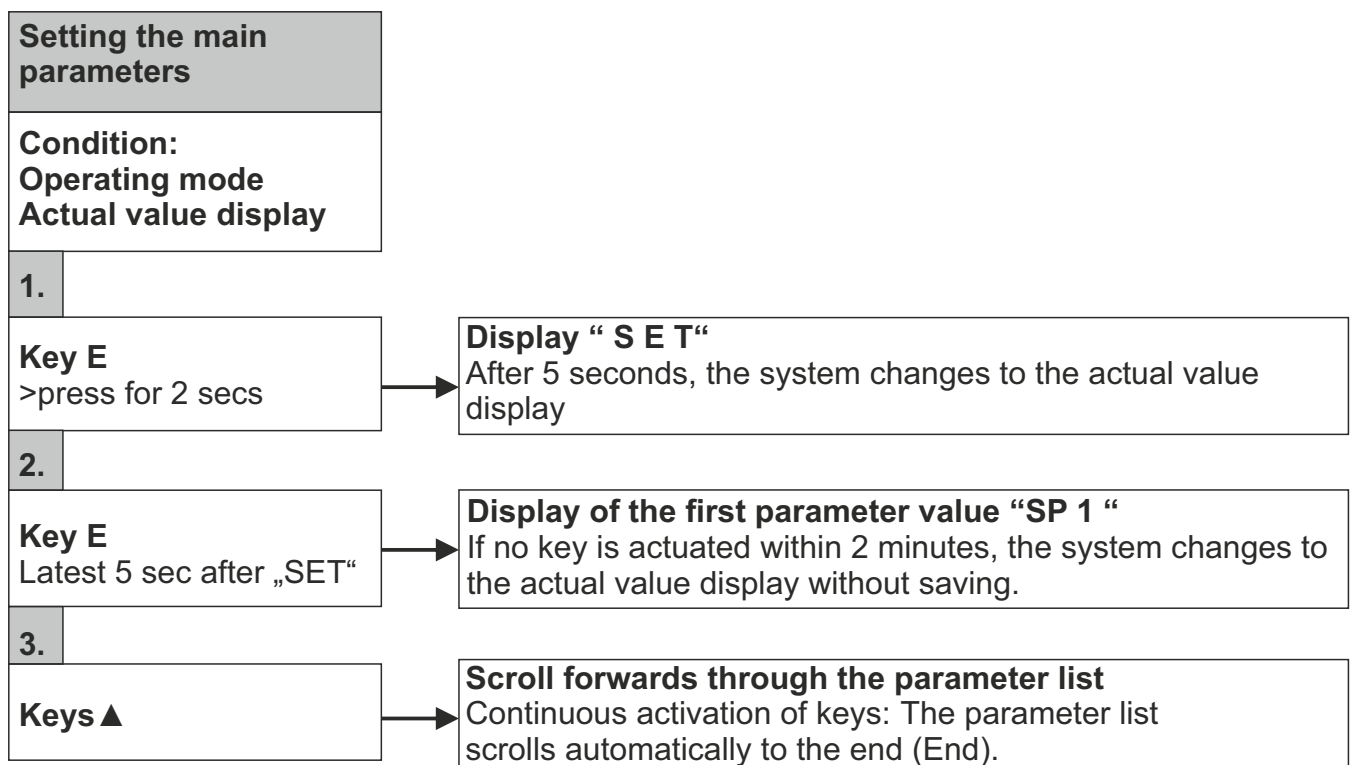
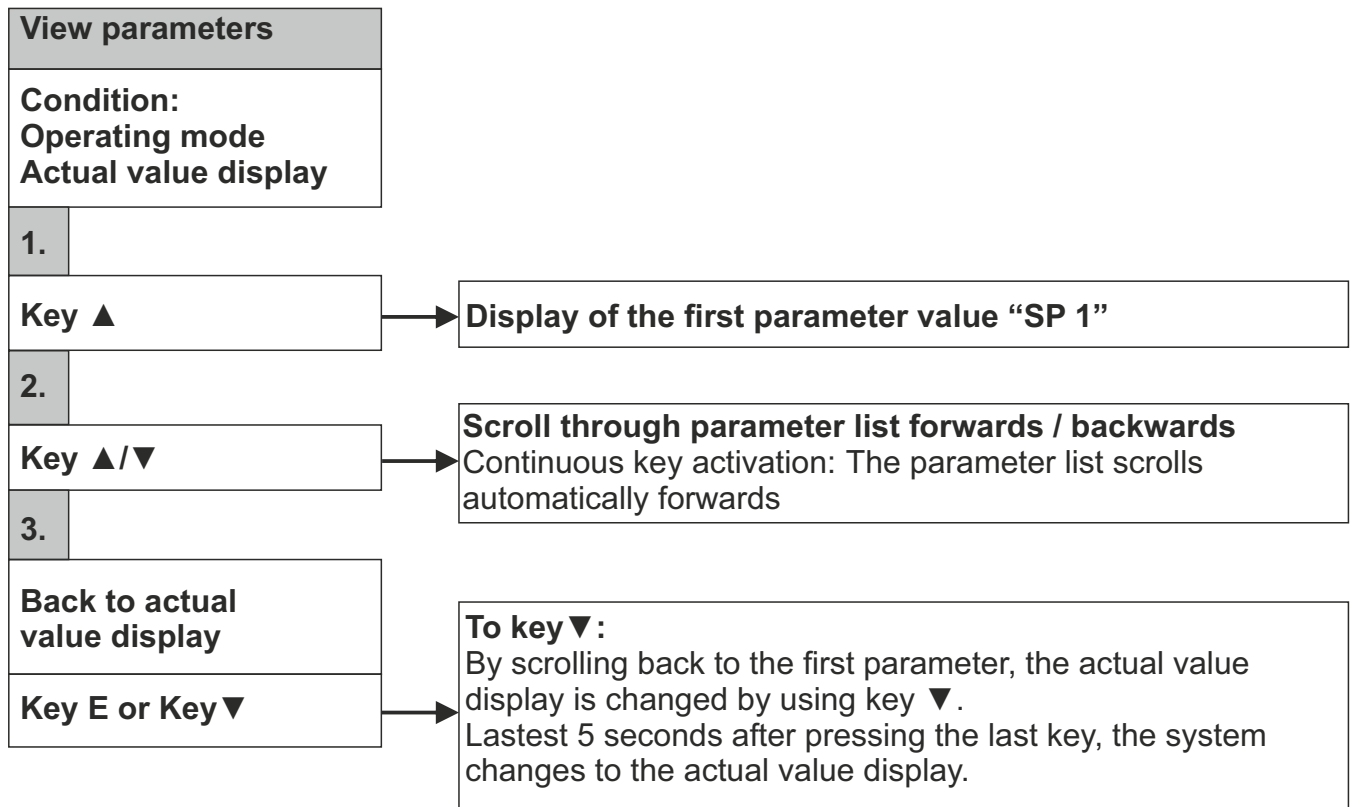
- scrolling or change value with ▲ and ▼
- adjustment with E

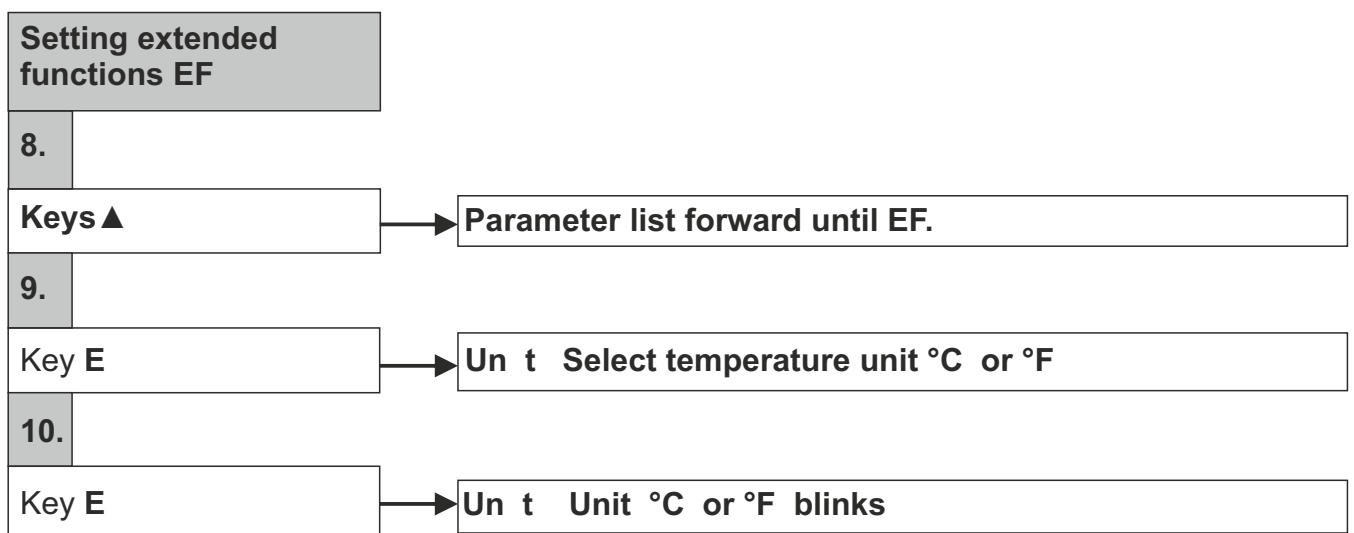
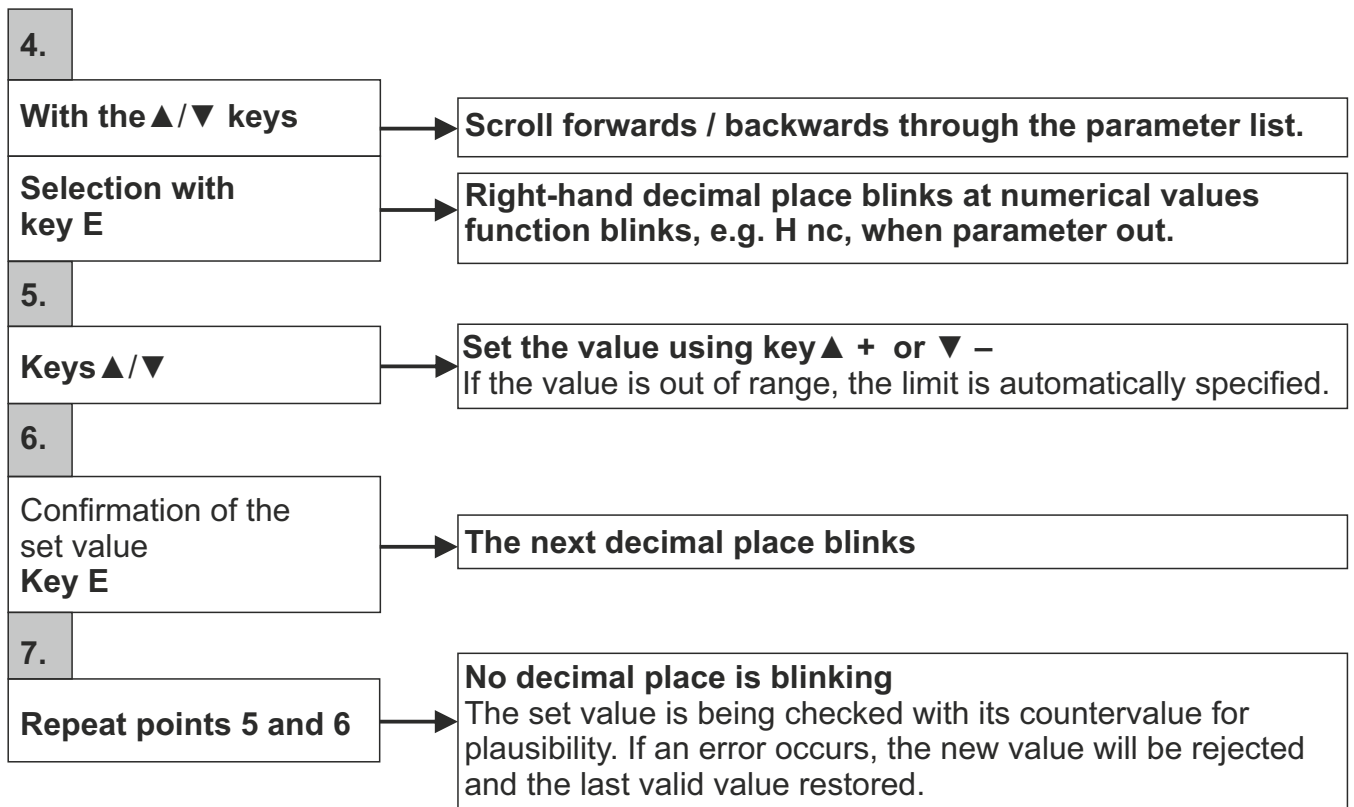
Parameter Overview

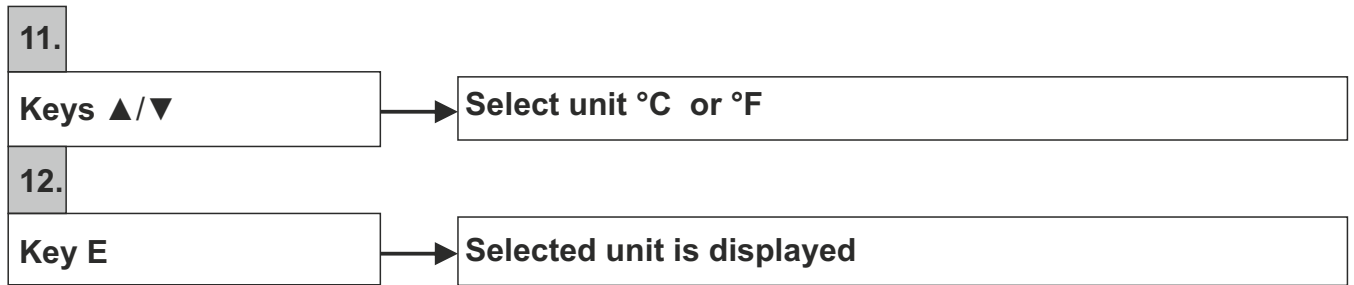
- S. e. t . . . Access to parameter setting
- S. P. . x. Switching point for chanal x.
- r . P. . x. Reset point for chanal x.
- o. u. t . x. Output switching behaviour for Kanal 1-4.
 - H. . n . o. Output hysteresis n.o. contact.
 - H. . n . c. Output hysteresis n.c. contact.
 - F. . n . o. Output window n.o. contact.
 - F. . n . c. Output window n.c. contact.
 - ** L. . n . o. Output waterdetection n.o. contact.
 - ** L. . n . c. Output waterdetection n.c. contact.
- E. F. . . . Extended functions
 - U. n . . t. Temperature units (°C or °F)
 - U. n . . L. Level units (mm or inch)
 - F. o . . x. Output switching behaviour step x in case of error
 - n . o. Output n.o. contact
 - n . c. Output n.c. contact
 - * S. n . . x. Current source, span
 - * O. F. . x. Current source, offset value
 - n. P. . . . Virtual Zero point value for level (immersion depth)
- E. n. d . . . End parameter setting

* only PAN-1 with option „current source“
 ** only PAN-1 with option „water detection“
 *** not applicable to PAN-1 with „water detection“



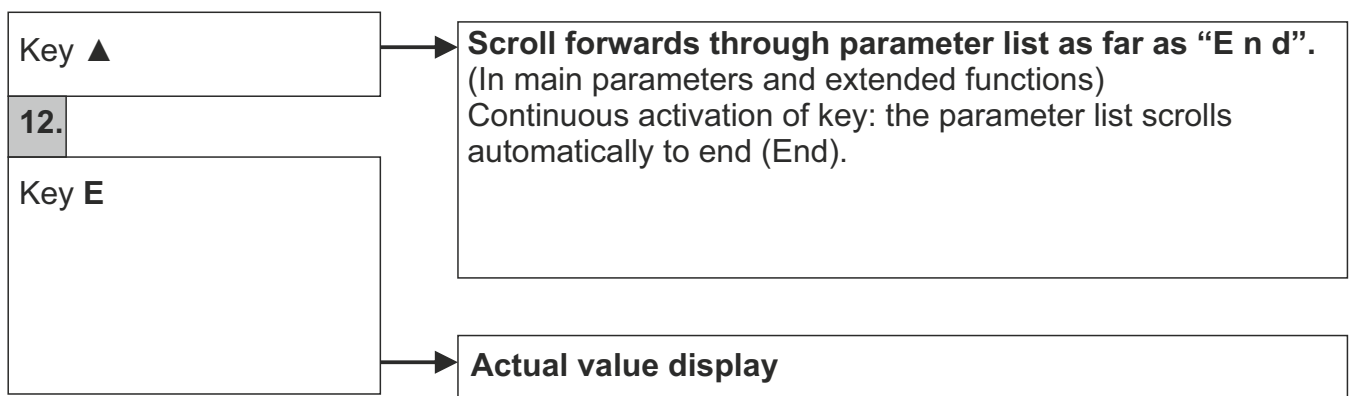






Using the keys ▲ / ▼

Additional functions (see menu structure) can be accessed in the extended menu. To set the functions, proceed as described under point 9 to point 12.



Malfunction

Temperature sensor: Temperature actual value display indicates "Err" and the status LED's 1 + 2 blinks. The temperature outputs will be set in accordance with Fo 1 + Fo 2. The temperature power source will be set to value $\leq 3,6$ mA.

Level sensor: Level actual value display of indicates "Err" and the status LED's 3 + 4 blink. The level outputs will be set in accordance with Fo 3 + Fo 4. The level power source gets adjusted to the value $\leq 3,6$ mA.

Output short circuit: The output gets deactivated and the appropriate status LED blinks. Cyclical examination whether the short-circuit is eliminated.