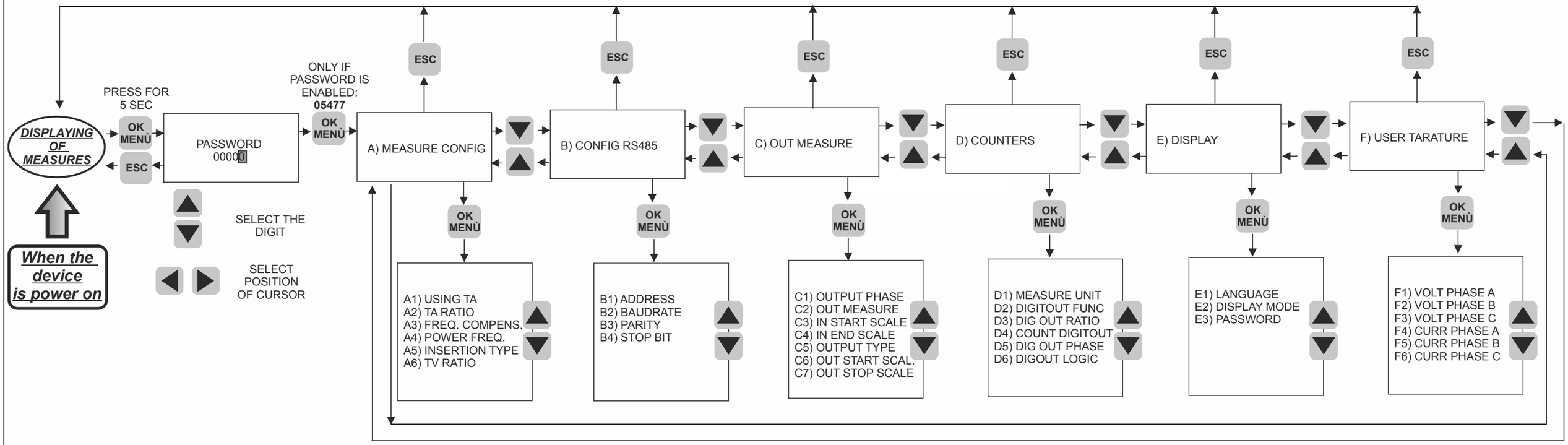
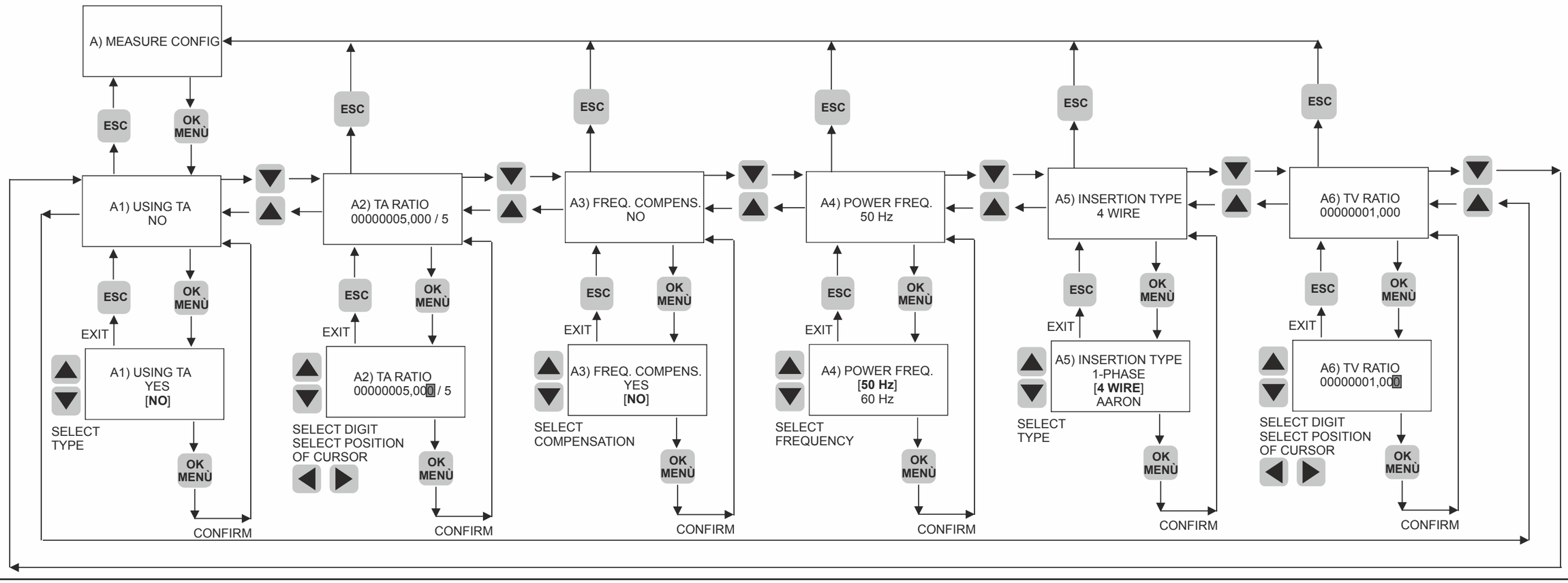
DISPLAY SETTINGS

MENU' LEVEL OF DISPLAY



EXAMPLE OF DISPLAY SUBMENU' LEVEL: SETTING OF «A)MEASURE CONFIG» MENU'



DISPLAY SETTINGS

ALL SUBMENU' LEVELS OF DISPLAY

In the entire menu, two types of items can be identified, as you can see in the previous example (submenu «A)MEASURE CONFIG»):
- to configure some type of items (for example: »A1)USING TA», «B2)BAUDRATE»,etc..) it is necessary to select between two or more options, and confirm/exit using the corresponding buttons;
- to configure other type of items (for example:«A2)TA RATIO»,«C3)IN START SCALE»,etc..) it's necessary to set a number (digit by digit, using UP/DOWN buttons, and shift the digit position, using LEFT/RIGHT buttons) and confirm/esc using the corresponding buttons. The following tables show and describe all submenu items, related to the display.

LEVEL: A) MEASURE CONFIG

SUBLEVEL ITEMS	DESCRIPTION
A1)USING TA	Select between: yes, no (default)
A2)TA RATIO	Set the TA ratio number in x...xx/5 (default: 5/5)
A3)FREQ. COMPENS.	Select between: yes, no (default)
A4)POWER FREQ.	Select between: 60 Hz, 50 Hz (default)
A5)INSERTION TYPE	Select between: 1-phase, 4 wire (default), Aaron
A6)TV RATIO	Set the TV ratio number (default: 1)

LEVEL: B) CONFIG RS 485

SUBLEVEL ITEMS	DESCRIPTION
B1)ADDRESS	Select between: 1(default), up to 253
B2)BAUDRATE	Select between: 2400, 1200, 115200, 57600, 38400 (default), 19200, 9600, 4800 baud
B3)PARITY	Select between: odd, even , none (default)
B4)STOP BIT	Select between: 2 stop bit, 1 stop bit (default)

LEVEL: C) OUT MEASURE

SUBLEVEL ITEMS	DESCRIPTION
C1)OUTPUT PHASE	Select between: phase A (default), phase B, phase C, 3-phase
C2)OUT MEASURE	Select between: V RMS, I RMS, Pact (default), cosFi
C3)IN START SCALE	Set the number (measure unit depends on the out measure, default: 0 W)
C4)IN END SCALE	Set the number (measure unit depends on the out measure, default: 3000 W)
C5)OUTPUT TYPE	Select between: mA (default), V
C6)OUT START SCAL.	Select between: 0..20 mA (if mA), 0..10 V (if V)
C7)OUT STOP SCALE	Select between: 0..20 mA (if mA), 0..10 V (if V)

LEVEL: D) COUNTERS

SUBLEVEL ITEMS	DESCRIPTION
D1)MEASURE UNIT	Select between: mWh, Wh (default), kWh, MWh (overflow number: 9.999.999, regardless of the selected measure unit)
D2)DIGITOUT FUNC.	Select between: pulsecounter (default), energy sign. **See the note below**
D3)DIG OUT RATIO	Set the number (if D2)DIGITOUT FUNC is pulsecounter)
D4)COUNT DIGOUT	Select between: pos energy A (default), ..neg energy A, ..3ph pos energy, 3ph neg energy (if D2)DIGITOUT FUNC is pulsecounter)
D5)DIG OUT PHASE	Select between: 3-phase, phase A (default), phase B, phase C (if D2)DIGITOUT FUNC is energy sign)
D6)DIG OUT LOGIC	Select between: normally open (default) or normally close

LEVEL: E) DISPLAY

SUBLEVEL ITEMS	DESCRIPTION
E1)LANGUAGE	Select between: italiano, english (default)
E2)DISPLAY MODE	Select between: auto-loop, manual loop (default)
E3)PASSWORD	Select between: yes, no

LEVEL: F) USER TARATURE

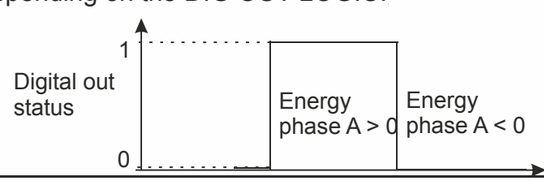
SUBLEVEL ITEMS	DESCRIPTION
F1)VOLT PHASE A	Set the number (default: 1)
F2)VOLT PHASE B	Set the number (default: 1)
F3)VOLT PHASE C	Set the number (default: 1)
F4)CURR PHASE A	Set the number (default: 1)
F5)CURR PHASE B	Set the number (default: 1)
F6)CURR PHASE C	Set the number (default: 1)

DISPLAYING OF MEASURES

The device allows to displaying the following list of measures (to display the measures, see the «MENU LEVEL OF DISPLAY» diagram in the previous page).

PHASE A	***PHASE B***	***PHASE C***	***THREE PHASE***
V RMS A	V RMS B	V RMS C	V RMS ABC
I RMS A	I RMS B	I RMS C	I RMS ABC
P A	P B	P C	P ABC
Q A	Q B	Q C	Q ABC
S A	S B	S C	S ABC
COSFI A	COSFI B	COSFI C	COSFI ABC
ENERGY A	ENERGY B	ENERGY C	ENERGY ABC
/	/	/	POS ENERGY ABC
/	/	/	NEG ENERGY ABC
/	/	/	FREQUENCY

If DISPLAY MODE is MANUAL LOOP: the measures are shifted in the display only using the buttons.
To shift the items forward: press UP, RIGHT or OK/MENU button.
To shift the items backward: press DOWN, LEFT or ESC buttons.
If DISPLAY MODE is AUTOLOOP: the measures are shifted automatically in the display.

NOTE for DIGITOUT FUNCTION:
If DIGITOUT FUNC. is PULSECOUNTER: digital output switches «0» to «1» for each one-unit energy increment, regardless of the selected measure unit, depending on the DIG OUT LOGIC.
Example:
-D1) MEASURE UNIT= kWh
-D3) DIGOUT RATIO=2
-D4) COUNT DIGOUT.=pos A energy

If DIGITOUT FUNC. is ENERGY SIGN: digital output is «1» if energy is greater than 0 (consumption), digital output is «0» if energy is less than 0 (generation), depending on the DIG OUT LOGIC.
Example:
-D5) DIGOUT PHASE=phase A