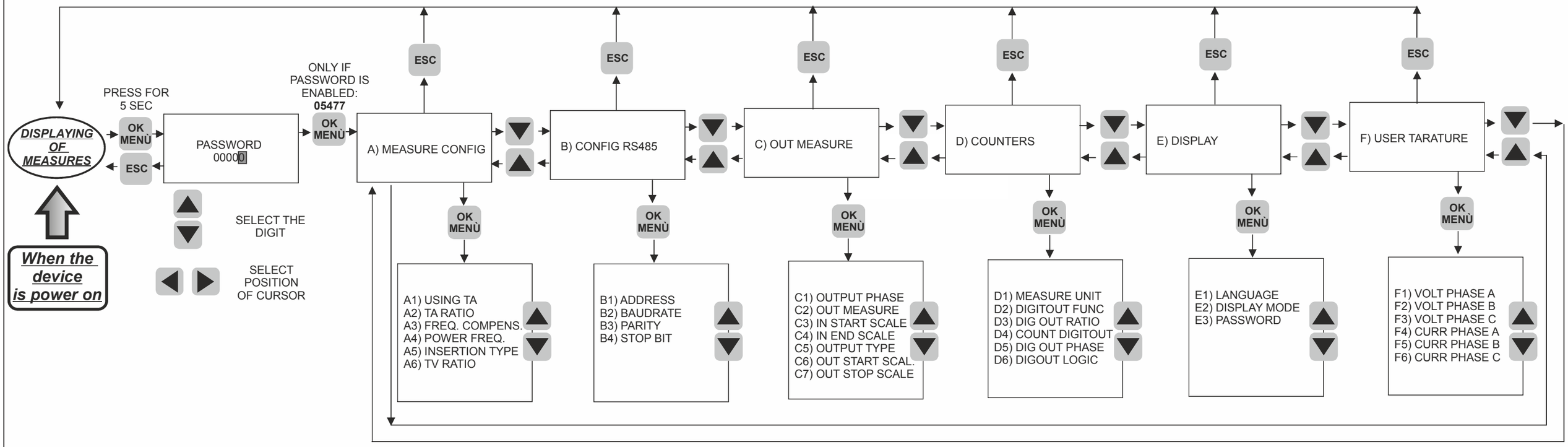
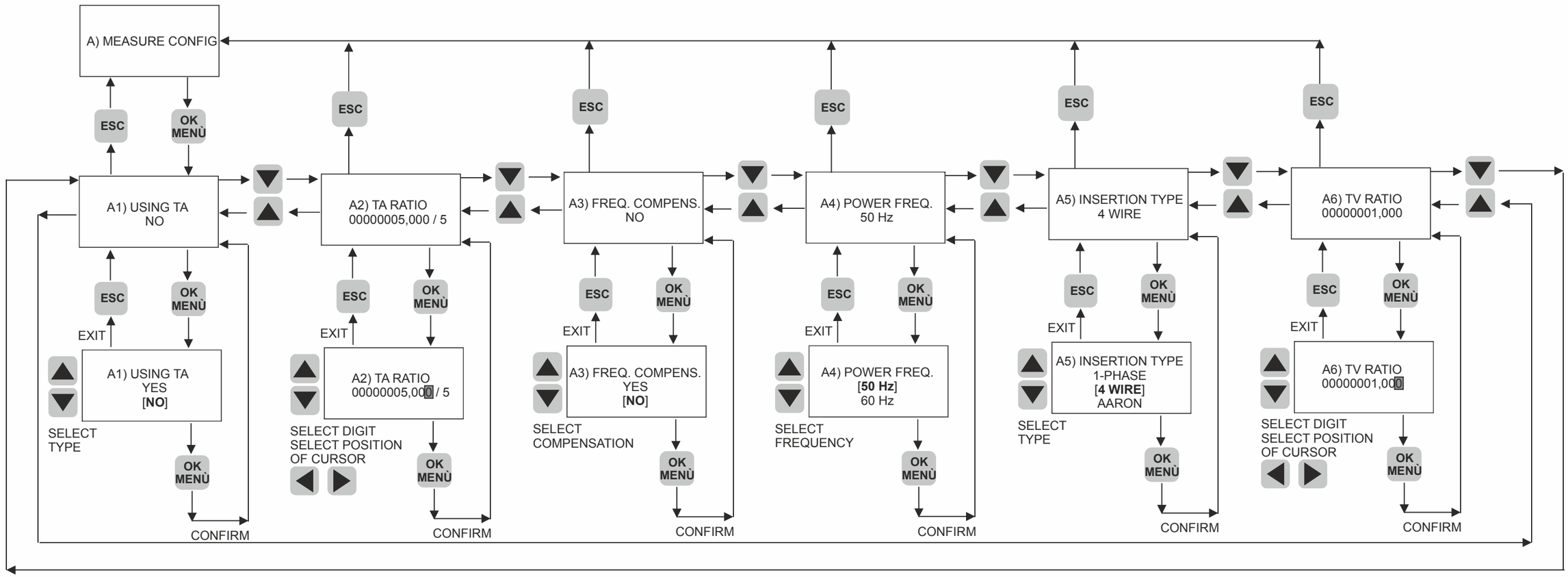
DISPLAY SETTINGS

MENU' LEVEL OF DISPLAY



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



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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).

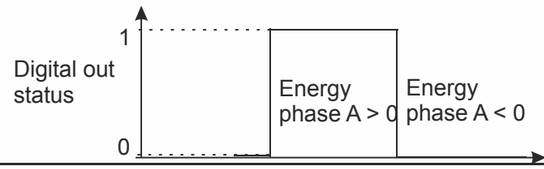
PHASE A	***PHASE B***	***PHASE C***	***THREE PHASE***
V RMS A	V RMS B	V RMS C	V RMS ABC
I RMS A	I RMS B	I RMS C	I RMS ABC
P A	P B	P C	P ABC
Q A	Q B	Q C	Q ABC
S A	S B	S C	S ABC
COSFI A	COSFI B	COSFI C	COSFI ABC
ENERGY A	ENERGY B	ENERGY C	ENERGY ABC
/	/	/	POS ENERGY ABC
/	/	/	NEG ENERGY ABC
/	/	/	FREQUENCY

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



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