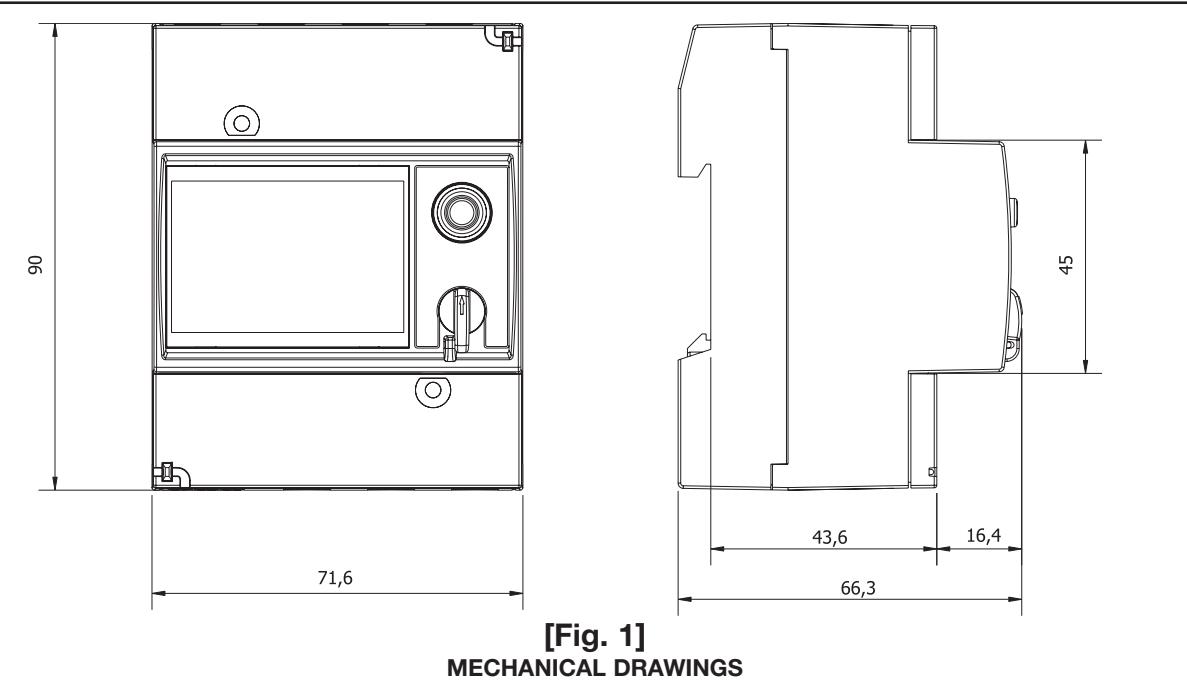


Installation Sheet

 Thanks
 for choosing our products.

MAINTENANCE AND DISPOSAL
 Responsibility for disposal

The product must be disposed of at the relative recycling centers specified by the government or local public authorities. Correct disposal and recycling will contribute to the prevention of potentially harmful consequences to the environment and persons. CAUTION! Toxic substances. Environmental pollution and hazard. Intoxication. Dispose of the battery together with the device. The embedded metal-ion battery of this product must be removed exclusively by specialised personnel to be correctly disposed of.


[Fig. 1]
MECHANICAL DRAWINGS
GENERAL NOTES

- A. Read carefully the present document. In case the device is used in an unspecified way, the protection might be impaired with consequent damages to personnel and / or device and installation.
- B. PI-DIN shall be installed by skilled and qualified personnel; Carlo Gavazzi cannot be liable for damages arising from improper use or without following the hereby listed recommendations.
- C. Installation Notes: disconnect power before performing any operation on the device. Verify terminals are all voltage free. Be careful when touching metallic parts.
- D. Servicing, in case of failure, shall not be carried out. In case of evident malfunction the device shall be returned for repair, recalibration or replacement.

- E. Maintenance: PI-DIN does not require a particular maintenance program. Make sure that all connections are properly made in order to avoid any malfunction or damage. To clean the device use a damp cloth, do not use alcohol, abrasive or solvents.

- F. By nature the device is usually permanently installed hence the following precautions shall be taken:

1. Install a protection switch or a fuse before power supply input;
2. Protection shall be positioned in a proper and easily accessible site;
3. This protection shall be marked and identified as "breaker for interface protection".

- G. The PI-DIN is designed for the installation for DIN Rail installation in distribution panels or cabinets.

NOTE: terminal screws torque 0.5Nm.

ENVIRONMENTAL CONDITIONS

- A. Protection degree: front IP50, terminals IP20

- B. Pollution degree 3

- C. Operating temperature -20...+55°C

- D. Storage temperature -30...+70°C

- E. Relative Humidity: 10...90%

- F. Maximum altitude 2000m

Environmental conditions different from those above listed adequate measures shall be put in place before commissioning (conditioning systems). When pollutants are present (corrosive substances or dusts) proper filters or countermeasures shall be adopted in order to protect the unit.

MECHANICAL DRAWINGS AND PINOUT

[Fig. 1] Mechanical Drawings

[Fig. 4] Pinout

[Fig. 5] Terminals position and ferrite mounting

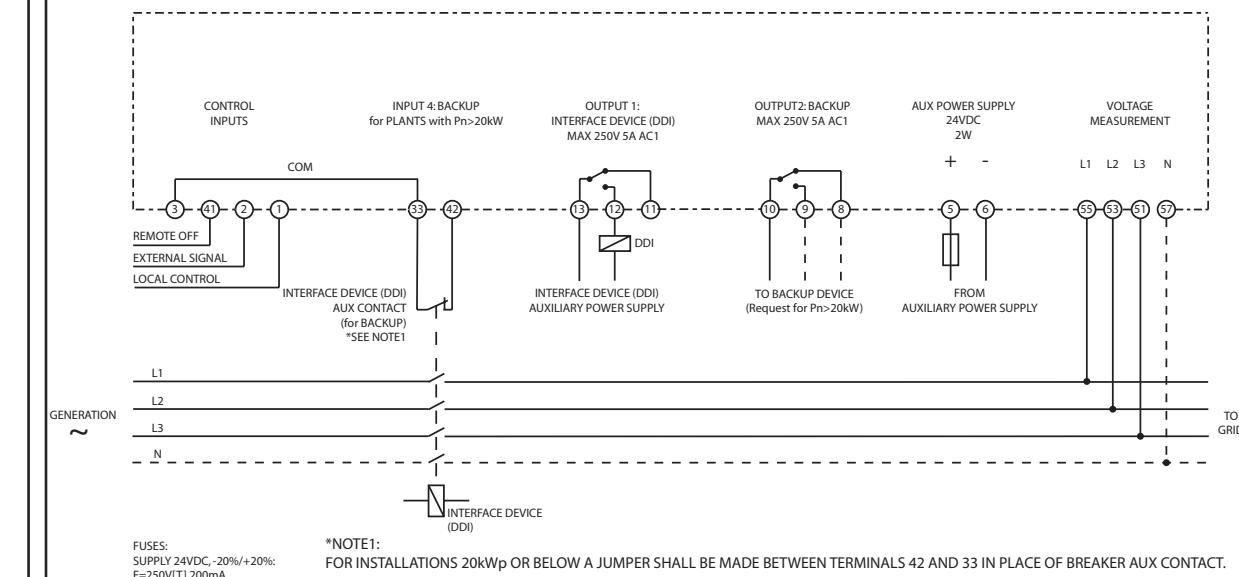
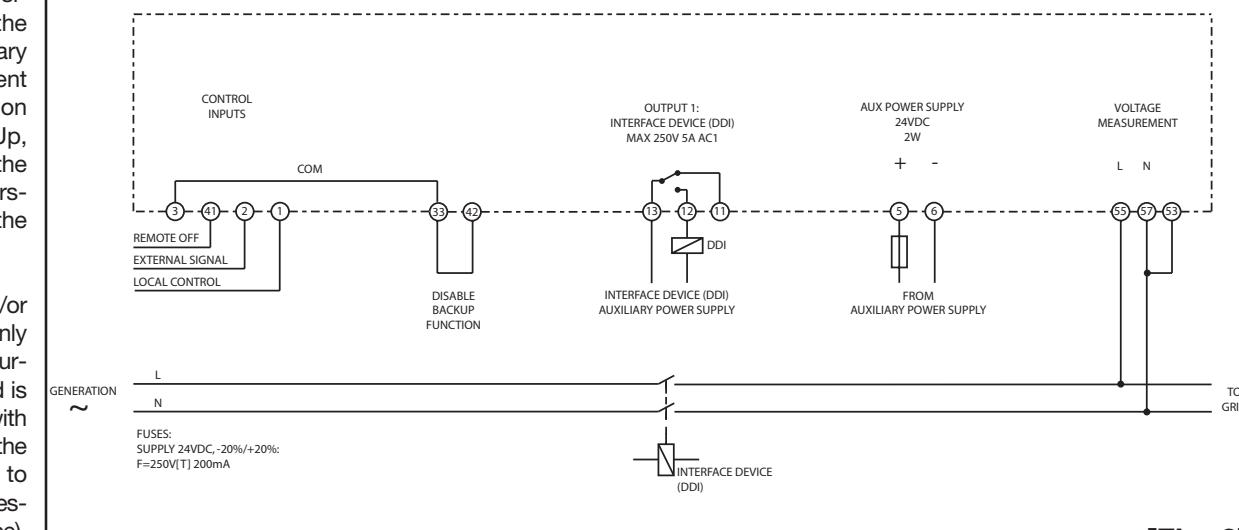
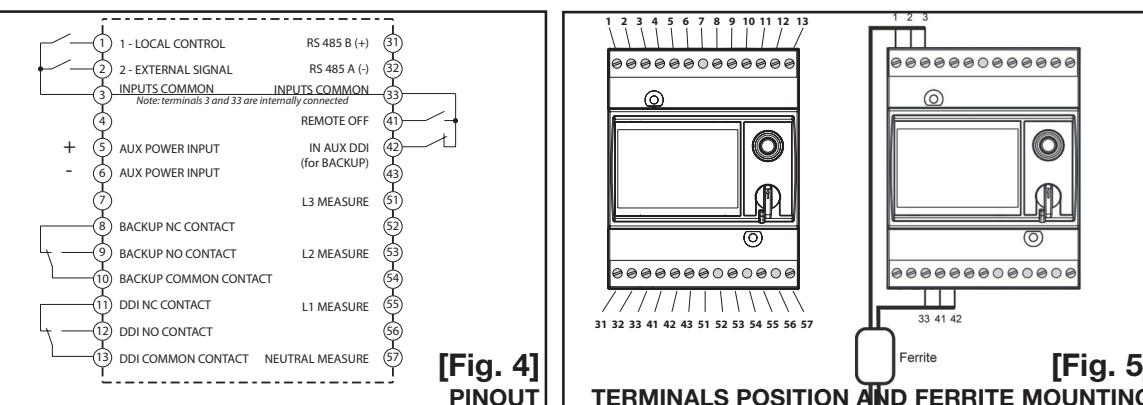
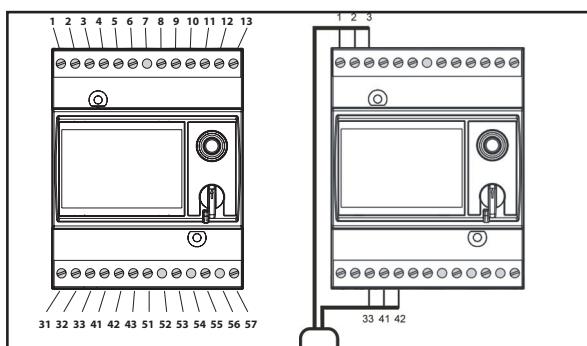
ELECTRICAL WIRING

[Fig. 2] Three phase system diagrams 3P+N, 3P

[Fig. 3] Single phase diagram

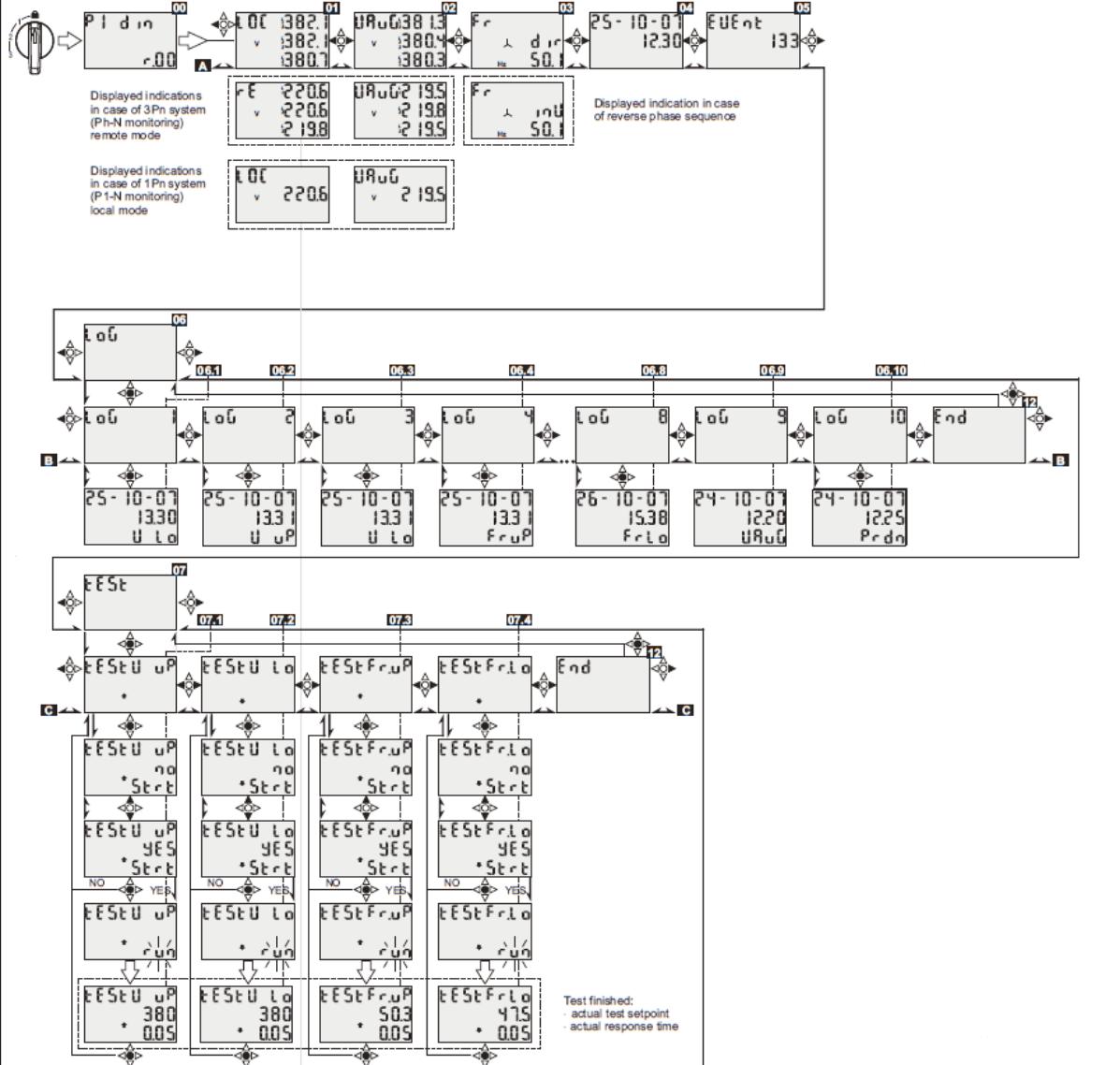
DIAGRAMS OF VIEWS

[Fig. 6] [Fig. 7] [Fig. 8] [Fig. 9] Rotary selector in positions: LOCK, 1, 2, 3

THREE PHASES SYSTEM DIAGRAMS 3P+N, 3P

[Fig. 2]
SINGLE PHASE DIAGRAM

[Fig. 3]

[Fig. 4]
PINOUT

[Fig. 5]
TERMINALS POSITION AND FERRITE MOUNTING
TABLE FOR SETTINGS AS INPUTS

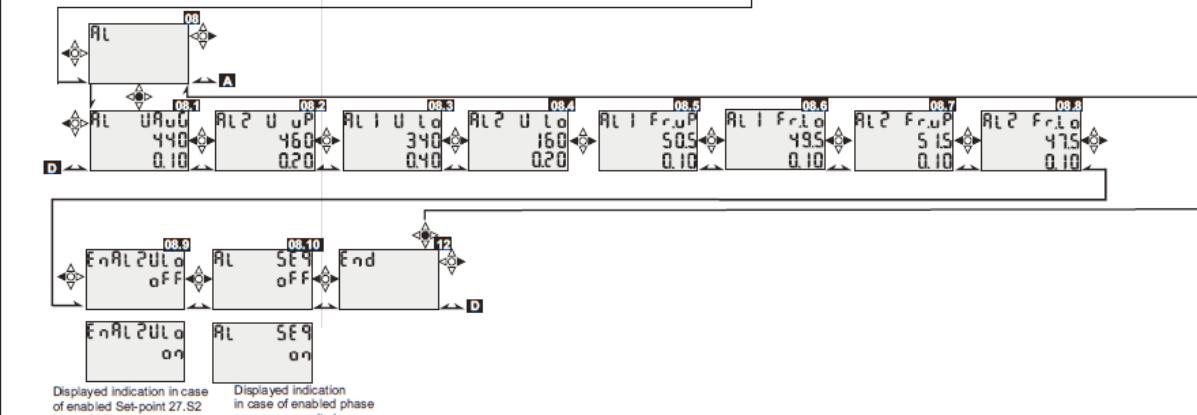
“OP MODE”	Inputs			Frequency thresholds	Tripping timings
	Input 2 “External Signal” Terminals 2-3 or 2-33	Input 3 “Local Control” Terminals 1-33 or 1-3			
“Loc”: local operation	Irrelevant	Open		Restrictive 49.80Hz - 0.1s 50.20Hz - 0.1s	49.80Hz - 0.1s 50.20Hz - 0.1s
	Irrelevant	Close		Permissive 47.50Hz - 0.1s 51.50Hz - 0.1s	47.50Hz - 0.1s 51.50Hz - 0.1s
“Rem”: remote operation	Open	Irrelevant		Restrictive 49.80Hz - 0.1s 50.20Hz - 0.1s	49.80Hz - 0.1s 50.20Hz - 0.1s
	Close	Irrelevant		Permissive 47.50Hz - 4s 51.50Hz - 1s	47.50Hz - 4s 51.50Hz - 1s

Switch



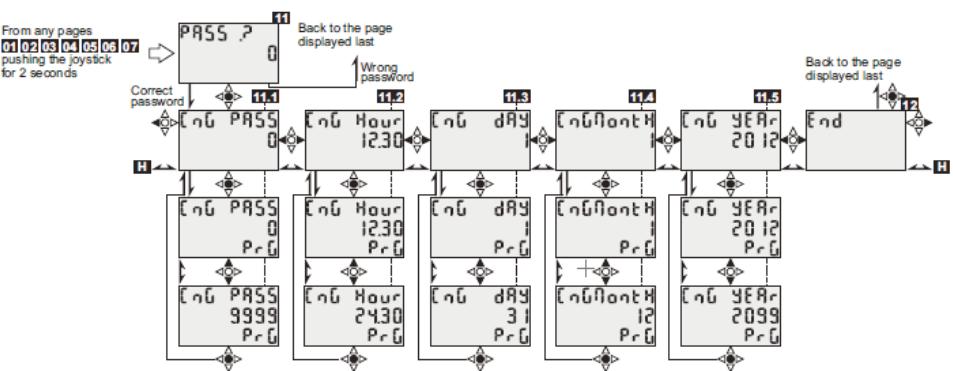
[Fig. 6]

SWITCH IN PADLOCK POSITION



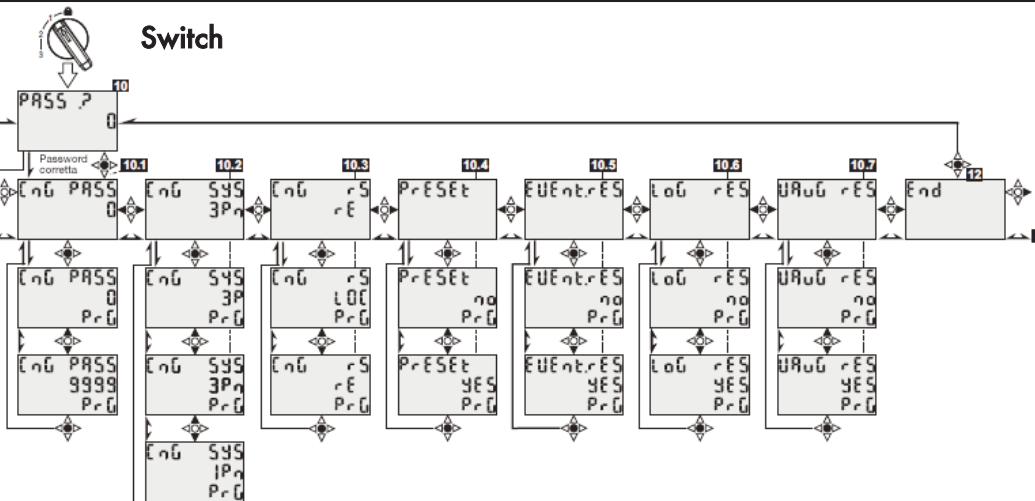
Displayed indication in case of enabled Set-point 27.S2 Lower Voltage

displayed indication
base of enabled phase
sequence monitoring



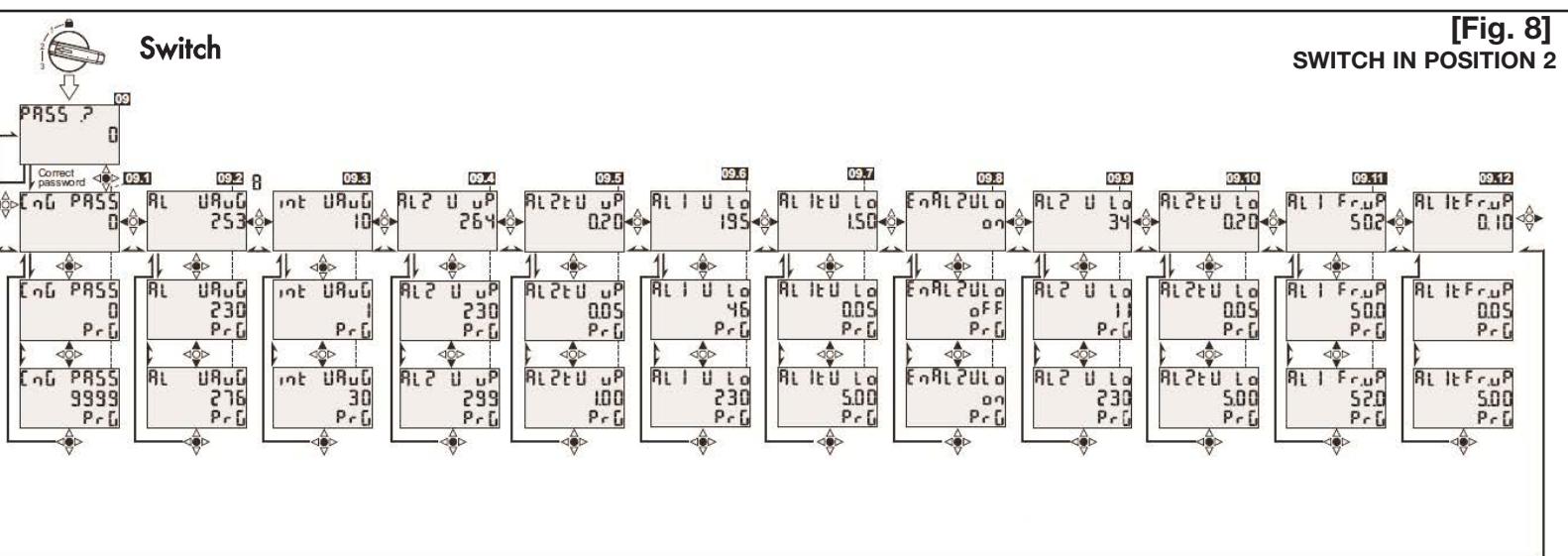
[Fig. 7]
POSITION 1

SWITCH IN POSITION 1

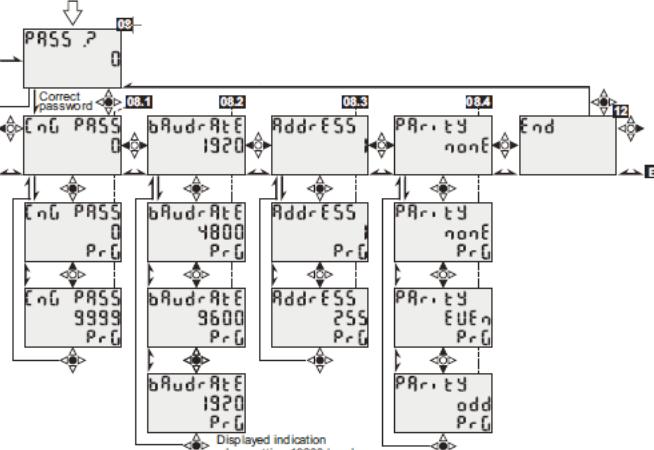


[Fig. 8]
POSITION 2

SWITCH IN POSITION 2



Switch



[Fig. 9]

SWITCH IN POSITION 3

