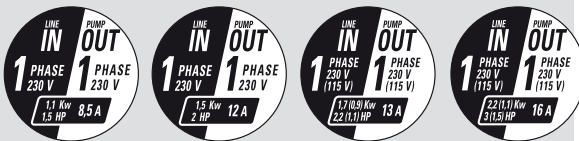


# STEADY PRES

## PUMP INVERTER



## STARTING UP QUICK INSTRUCTION

### SINGLE-PHASE PUMPS:

- MOD. ST M/M 07
- MOD. ST M/M 10
- MOD. ST M/M 11D
- MOD. ST M/M 13D

“Quick instructions” are an extract of the inverter technical manual, which should be read in full before using the product.



### 1 Hydraulic connection

Install the inverter in the hydraulic circuit near the electric pump, using the three pieces joint.

### 2 Electric connections

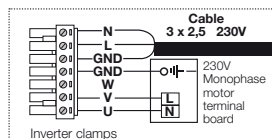
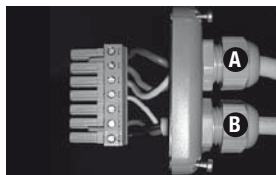
They Must be performed by **qualified personnel** in accordance with the **applicable rules**.

Before making the connections, make sure that the electric power supply network is not live, and the electric power supply network is protected by ground connections in compliance with the Standard.

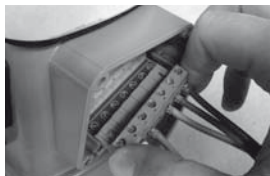


2.1 Connect as shown below:

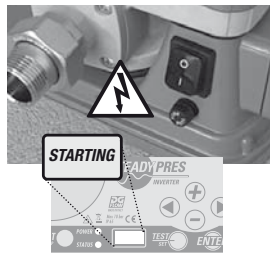
- A** = power connection cable,
- B** = motor connection power.



2.2 Plug the connector and fasten the cable gland support.



2.3 Power the inverter using the switch and wait for the STARTING time (10 sec.)



### 3 Parameters setting in menu SET 1

- P** = Pressure
- A** = Current

SET 1

3.1 Pressure “P” is displayed; press both the buttons shown in the picture to enter in SET1 menu.



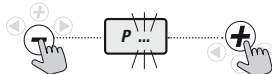
3.2 SET1 access is activated; press ENTER within 10 seconds to confirm the access in SET1 menu;



pressure **P** can be set at desired value.



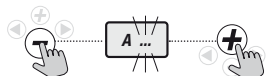
3.3 Set the desired operating pressure using the button “+” to increase or “-” to decrease.



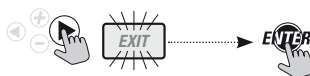
3.4 Go to next parameter (current A) by pressing the arrow



3.5 Set the operating Current (indicated in motor plate) using the button “+” to increase or “-” to decrease.



3.6 Exit the SET1 menu using the arrow until the word “EXIT” appears.



The inverter will now work at the desired pressure and the maximum current is limited as set.

### 4 Expansion board installation for inverter connections

for the models with “E” and “P” suffix.

The expansion board allows:

- a RS485 signal to connect the inverter in parallel with other inverters (max 3 inverters connected in parallel)
- an input signal (ex.: Level signal)
- an output signal (ex.: Alarm output signal)

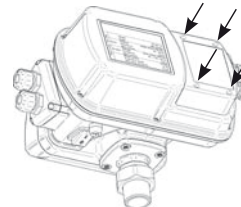
Before connecting, make sure that the electric power supply network is not live.



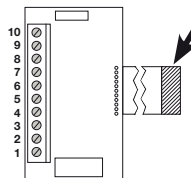
Before removing the inverter cover or starting intervention on it, the system must be disconnected from the mains electricity and you must wait for 5 mins until the intermediate circuit capacitors have the time to discharge via the built-in discharge resistors.



4.1 Remove the signal board cover, located on the back of the unit, by unscrewing the 4 screws indicated on the picture.



4.2 Connect the Expansion-signal Board female connector to the correspondent male connector located on the inverter electronic board.



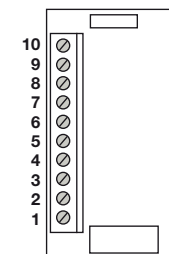
4.3 Lock the expansion signal board, by screwing the 4 screws.

### 5 Expansion signal board connection

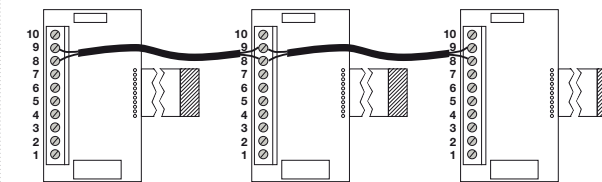
for models with “E” and “P” suffix.

Clamps Description/Function:

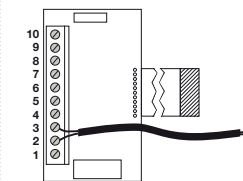
10. not connected
9. Rs485+
8. Rs485-
7. not connected
6. not connected
5. level signal
4. Gnd
3. NC (relay alarm output)
2. N (relay alarm output)
1. NO (relay alarm output)



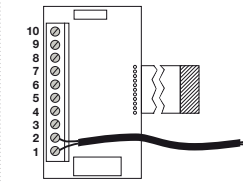
5.1 Signal connection between inverters (RS 485 signal)  
Connect together the terminals 8 and 9 of the different inverters.



5.2 Connection of the Alarm Signal (on the MASTER inverter).

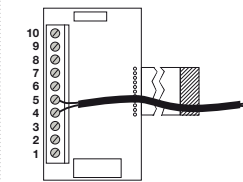


**NC** (normally closed).  
Connect the signal cable to terminals 2 and 3.



**NO** (normally open).  
Connect the signal cable to terminals 1 and 2.

5.3 Connection of level sensor or other input signal (to the MASTER inverter).



Connect the signal cable to terminals 4 and 5.

5.4 Lock the cable gland and close the Expansion board cover.