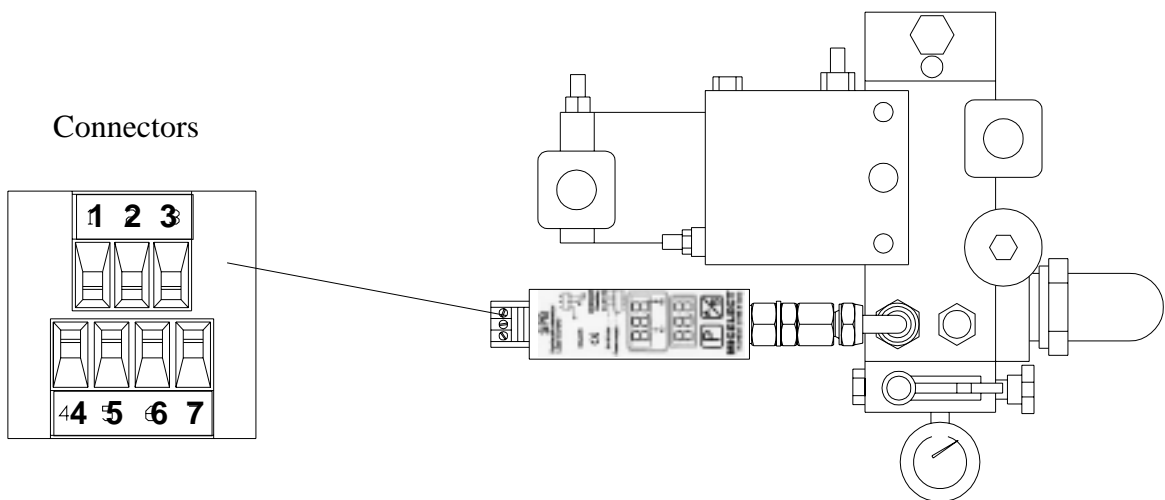
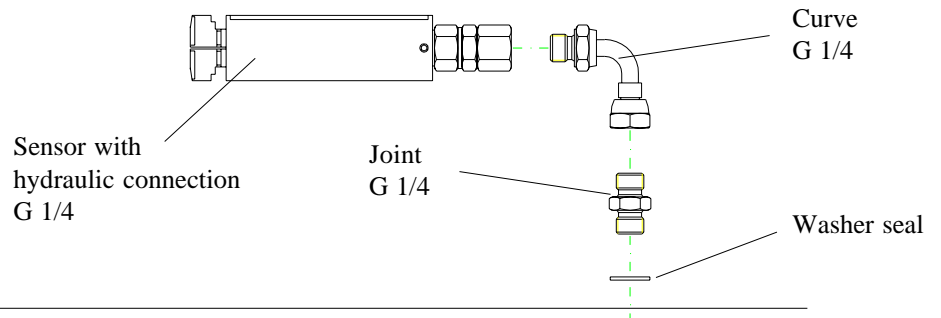
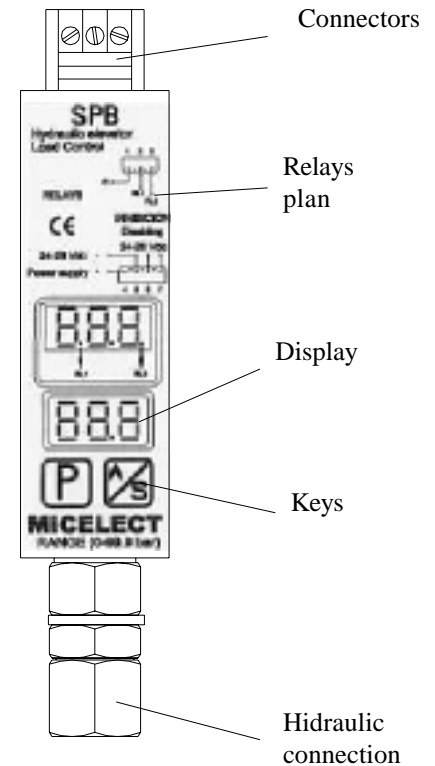


## INSTALLATION GUIDE

1. PLACE THE SENSOR IN THE HYDRAULIC CIRCUIT
2. CONNECT THE POWER SUPPLY CONNECTOR  
**PIN 4 (+)**  
**PIN 5 (-)**  
**Power supply range: 24-48 V DC**
3. CONNECT THE DISABLING/BLOCKING CONNECTOR  
**PIN 6**  
**PIN 7**  
 The sensor must be disabled (blocked) when the lift begins to move to avoid any dynamic pressure error. Connect the disabling input by means of a door contact (**closed contact with closed doors**)  
**Blocking signal range: 24-48 V AC/DC**
4. CONNECT THE RELAY CONNECTOR  
**PIN 1** Common  
**PIN 2** Alarm 1: always assigned to Full Load  
**PIN 3** Alarm 2: always assigned to Overload
5. PROGRAMMING THE ZERO AND THE ALARMS  
 (see the plan at page 2)
6. DISCONNECT AND CONNECT AGAIN THE POWER SUPPLY
7. MAKE AN OPERATING TEST



**ELECTRONIC PRESSURE SENSOR  
TYPE SPB**



**Start Elevator Srl**

08 201 / G

rev. 0

1/2

# PROGRAMMING

THE PROGRAMMING MUST BE CARRIED OUT WITH THE CAR ON THE LOWEST FLOOR

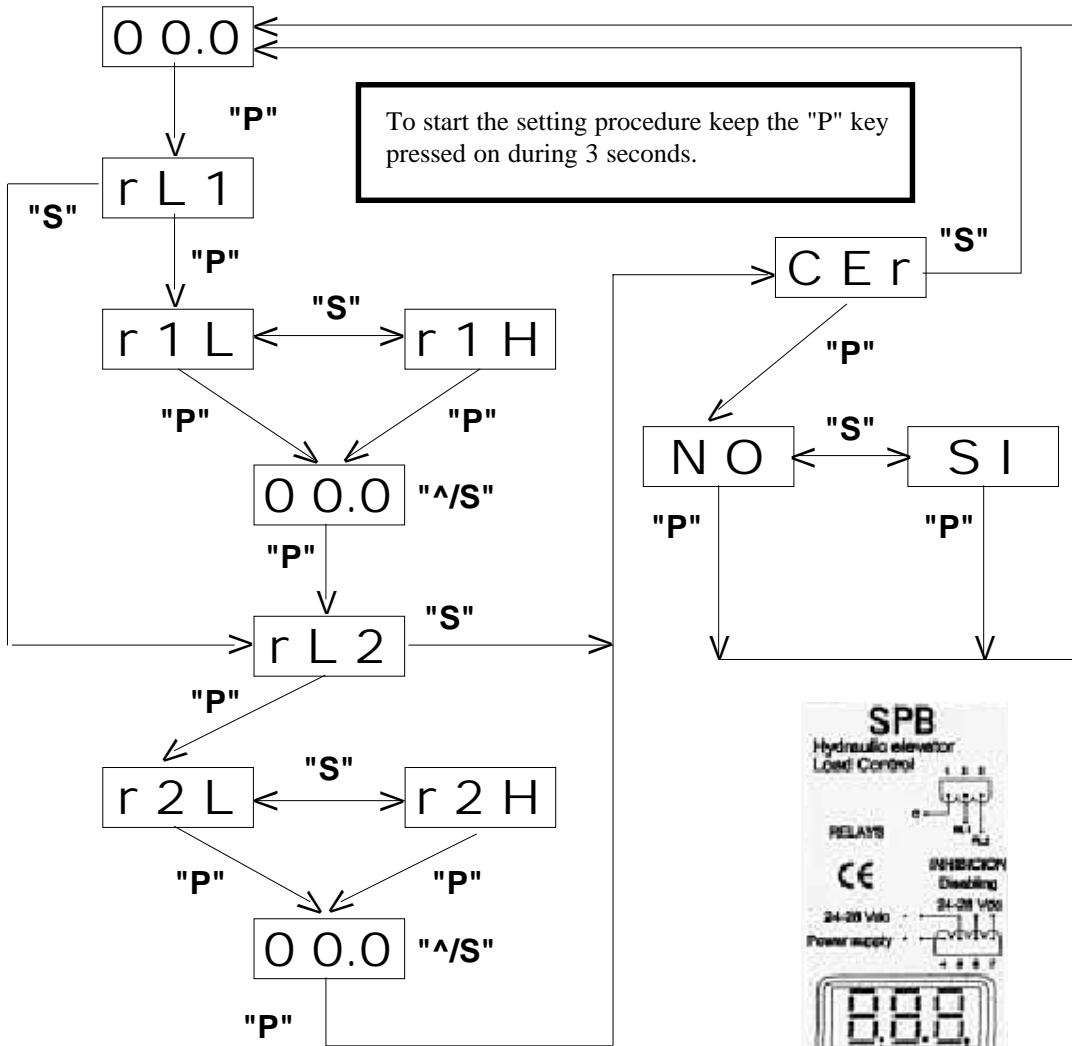
Nomenclature:

- RL1** Relay 1 = Alarm 1 = **Full Load Alarm**
- R1H** Normally open (Alarm 1)
- R1L** Normally closed (Alarm 1)
- RL2** Relay 2 = Alarm 2 = **Overload Alarm**
- R2H** Normally open (Alarm 2)
- R2L** Normally closed (Alarm 2)
- CEr** Zero (tare with **empty cabin**)

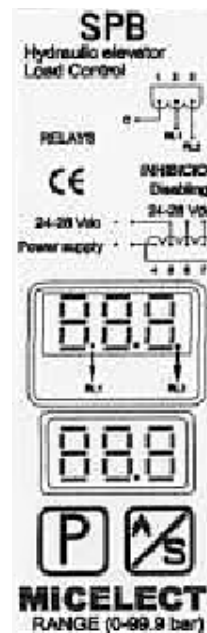
For the values to give to the alarms you can calculate the pressure with this expression

$$P_s [\text{bar}] = N * 75 * C * 127,3 / D^2$$

- for
- N = person number
  - C = reeving rate (2:1 = 2)
  - D = piston diameter [mm]



Note: the display remains switched off after 5 minutes of normal operation. Press any key to visualize the display value again.



Display  
00,0 - 99,9

Keys  
"P" and "S"

