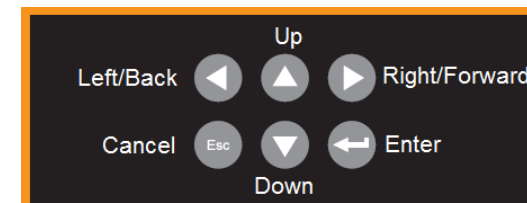


## Quick Basic Installation Guide CP 116 & CP 216

### Key board

- To leave the main picture and enter the menus; push **Down Arrow**
- Use **Up & Down Arrow** to step between submenus and confirm with **Enter**
- Change value with **Enter** at chosen function, give the password and change value with **Up/Down**
- Go back in the menus by **Left** and to main picture by **Esc**



### Password

There are three security levels:

1. Daily operations, such as acknowledging an alarm or stopping a pump, do not require any pass code or authorization.
2. Operational settings, such as settings for the start or stop levels for the pump, require a pass code at the level of **Operator**;
3. Configuration settings that affect the basic functionality or access, such as the type of level sensor, require a pass code at the level of **System**.

The factory default pass codes are **1** and **2** respectively, but the codes can be changed under the menu item *Settings – System – Change Passcode*

### After Installation and power up first time

Start to do a *Factory Default Reset* by holding down both **Right/Left arrows** for 10 seconds. The cabinet will when restart with the factory default settings. Check the firmware by *[Down Arrow] – Show Status – System*. Update the firmware if necessary. Find latest firmware at C&M ftp-site. Be aware that CP 116 and CP 216 do **not** have same firmware. The built-in sensor has fixed range 0 – 3.5 meters.

### Basic settings

1. Set the Language  
*[Down Arrow] – Settings – Language*
2. Are you using Level Sensor or built-in Air Pressure tube?  
*[Down Arrow] – Settings – Analoge Inputs*
3. Set the Start / Stop levels  
*[Down Arrow] – Settings – Pump X – Start and Stop levels*
4. Station flow  
*[Down Arrow] – Settings – Pump pit – Station Flow – Pit area*
5. The pumps use to be marked with the “Nominal Current”; that value shall be typed into *[Down Arrow] – Settings – Pump x – Pump parameters*. This is the place to activate the temperature and leakage sensors as well.
6. Look at the main picture and start one pump manually, notice the current consuming in the display. The nominal value is higher than what you just read. The alarm for high current shall be set in the middle of those two values and be typed in at *Settings – Pump X – Pump Alarms – High Motor current*
7. If Low Level Float is used; go into the menus and change in *Settings – Digital Inputs – Digital in 4* to **NC** (Normally Closed)

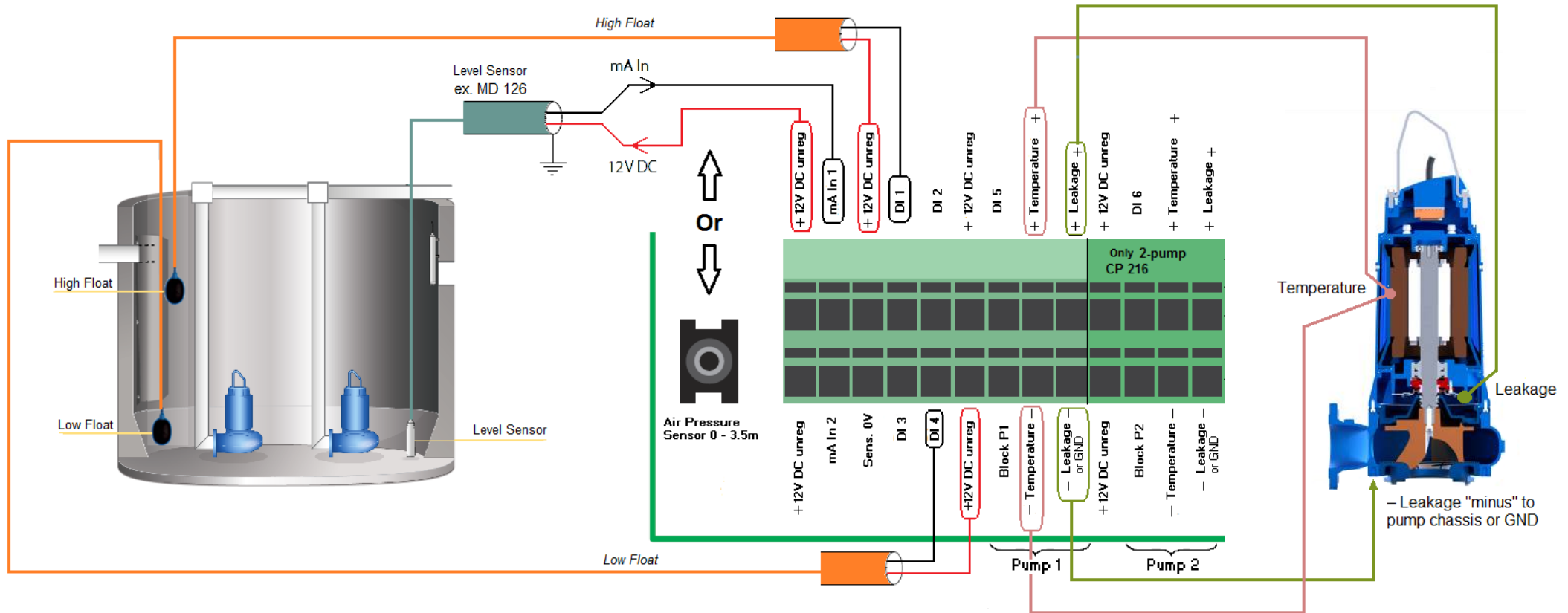


Table 1 Functions for 'Digital In'

Digital In	Default configuration in CP116/216
1	High-level float (alarm). Normally oper
2	Pulse channel
3	Overflow detector
4	Low-level float (alarm). Normally open
5	From switch indicating staff in station
6	Alarm reset

Table 2 Analogue inputs—'mA In 1' and 'mA In 2'

mA In	Usage in CP116/216
1	Level sensor
2	Back-pressure sensor or an optional sensor