

Not on Market for sale, **yet**
 (The price for retail sale could be appr. 190,- € incl. VAT)
 For Whole-/Retail-sale, Manufactory's,
 ask for them price's for You. All inquiry's will be anserwed

BILGE PUMP PUMP-PRO 5

- CONTROL OF THE PUMP **"AUTO, OFF, MANUAL"**
- CONTROL/ ALARM OF THE FUSE
- ALARM-BUZZER
- 12/ 24VOLTS
- **PUMP-PRO 5** CONTROLS THE BILGE PUMP WITH A SEPARATE- OR BUILT-IN LEVEL SENSOR
- **PUMP-PRO 5** CAN BE PARALLELL-CONNECTED TO A EXISTING CONTROLPANEL
- WHEN THE PUMP RUNNING TIME EXCEEDS THE PRESET ALARM TIME, IT WILL ACTIVATE AN ALARM (PRESETTABLE TO 1-30 min.)

WHEN ALARM, THE **BUZZER** SOUNDS and the

LED'S WILL FLASH AS FOLLOWS, DEPENDING ON THE FORM OF ALARM:

- 1) THE FUSE BLOWN: **"POWER/FUSE"** WERY FAST FLASH
- 2) AUTO ON & LEVEL ON: **"AUTO ON + TIME OUT"** FAST FLASH
- 3) MANU ON & LEVEL ON: **"PUMP ON + TIME OUT"** SLOW FLASH
- 4) MANU ON & LEVEL OFF: **"PUMP ON + TIME OUT"** SLOW FLASH
- 5) SWITCH OFF & LEVEL ON: **"PUMP ON + AUTO ON + TIME OUT"** SLOW FLASH
- 6) SWITCH OFF & LEVEL OFF: **"POWER/FUSE"** WERY SLOW FLASH

To silence the buzzer, push the **"RESET BUZZER"** button

The LED's will continue to flash, (MEMORY-STATE), until the reason to the alarm is fixed

Push again the **"RESET BUZZER"** button to reset the unit

The **PUMP-PRO 5** unit monitor's the fuse status thus giving an alarm if blown

The **PUMP-PRO 5** itself is powered until the power connection to **(J1)** is disconnected

With the switch **"OFF"** the **PUMP-PRO 5** will still send **"TEST PULSES"** to monitor the status of the levelswitch, if active, giving an alarm

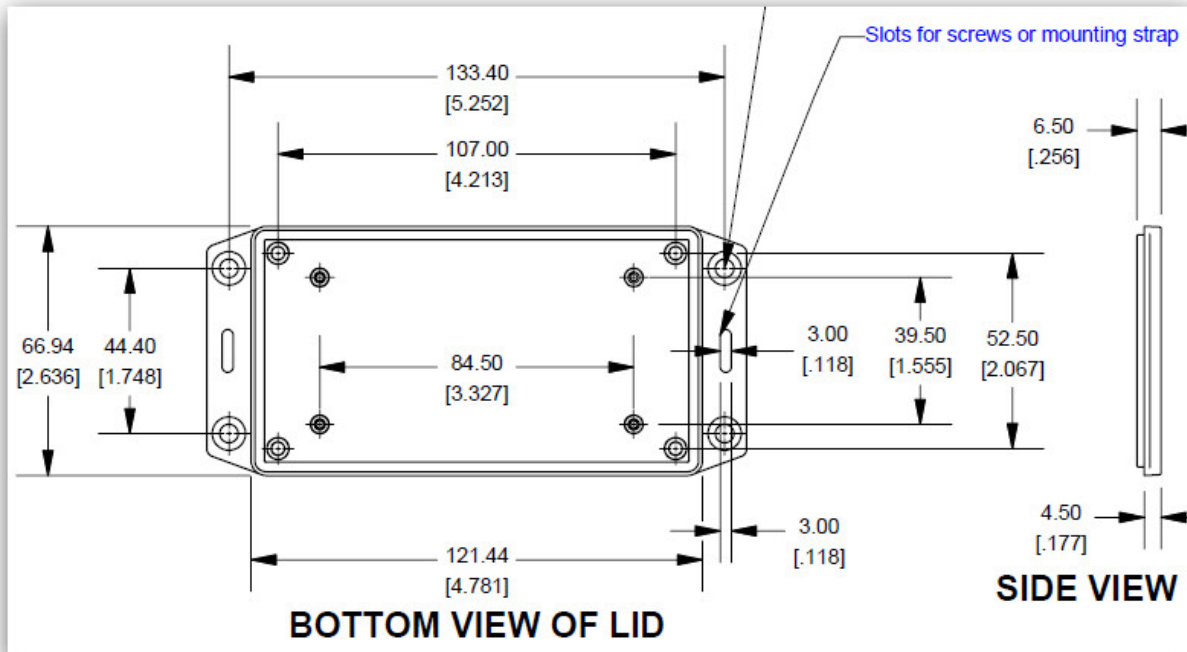
IMPORTANT: THESE TESTPULSES ARE SO FAST THAT YOU CAN'T READ-OUT THEM WITH A UNIVERSAL VOLT-MULTIMETER

Therefore cut the power to PUMP-PRO 5 (J1) when service / maintainance

(No harm done ewen not unpowering the PUMP-PRO 5, it wan't be damaged ewen shortering the terminals)

TECHNICAL INFO

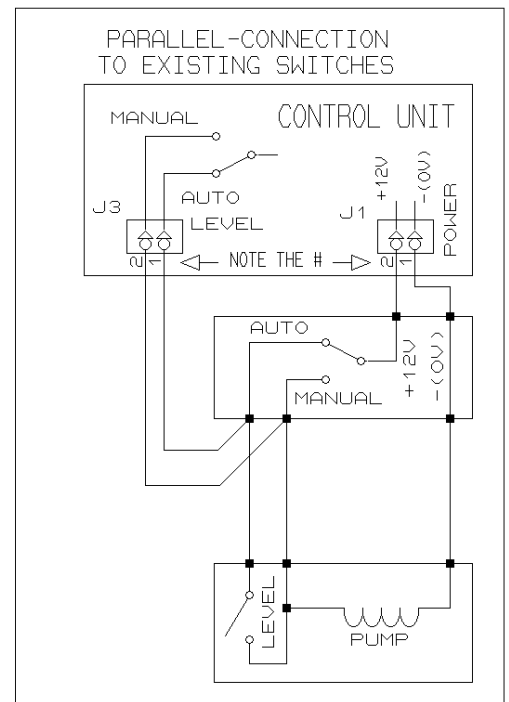
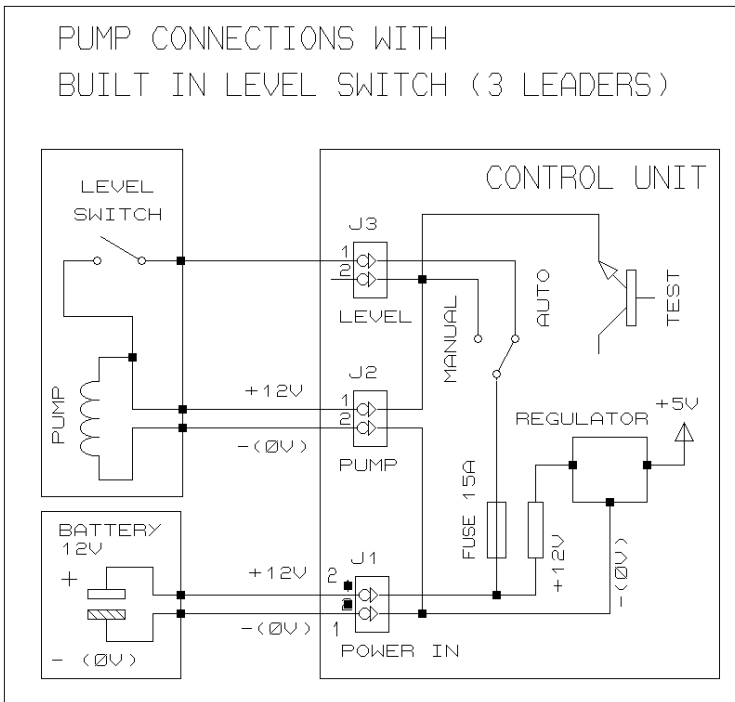
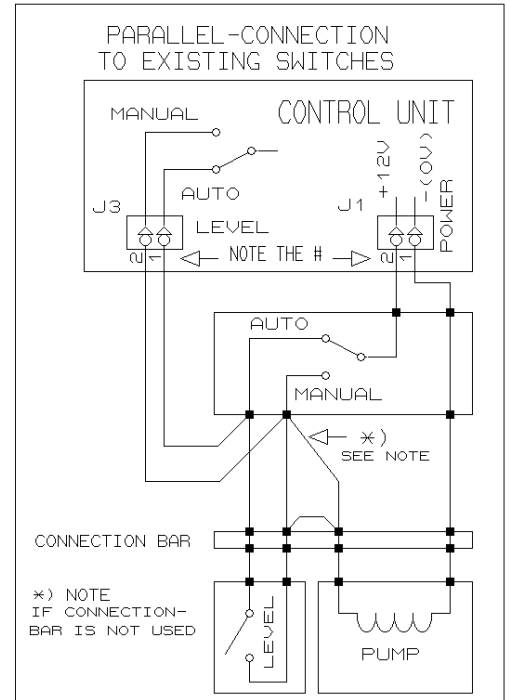
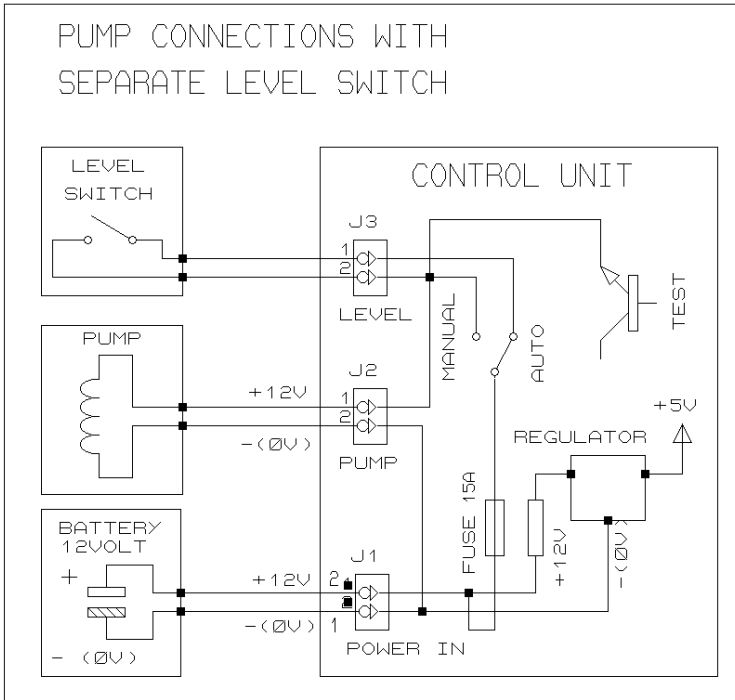
- VOLTAGE 12/ 24V
- CURRENT (**PUMP-PRO 5 ONLY**, not the pump):
 - With **NO** alarms: max. 70mA
 - With **ALL** alarm's "**ON**": max: 160mA
- The Fuse for the Pump (via the switch to the pump) max. 5A.
Coming up: Larger load's (up to 20A) can be installed to the existing enclosure
- Installation: Recessed/ Surface mount
- In the package there are support's for recessed mount, lenght 15mm
- The encloser is rated to : IP45



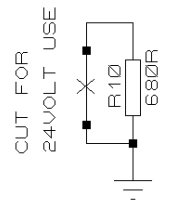
We are developing a unit for them "SEATALK" and "NMEA" protocol's, carrying the the status of the bilge pump & alarm's.

This Add-On unit can be added to You'r existing unit

CONNECTIONS



- NOTE 1: WITH THE TOGGLE-SWITCH IN "OFF" POSITION, THE CONTROLLER CONTINUES TO MONITOR THE LEVEL VERSUS TIME, THUS ALARMING
- NOTE 2: WHEN THE FUSE IS BLOWN, THE CONTROLLER IS STILL POWERED, ALARMING BUT NOT POWERING THE PUMP
- NOTE 3: WHEN USING IN PARALLEL: IF THE CONTROLLER IS POWERED VIA THE EXISTING SWITCH-POWER, THEN IT CAN NOT ALARM FOR THAT FUSE BLOWN, IT CAN ONLY MONITOR IT'S OWN FUSE, THEREFORE IT'S RECOMMENDED TO POWER UP THE CONTROLLER SEPARATELY, HENCE, THIS WAY YOU GET A "BACK-UP" FUSE
- NOTE 4: "VERY IMPORTANT" WHEN SERVICE EVEN WHEN THE TOGGLE-SWITCH IS "OFF" IT STILL SENDS TEST SIGNAL-PULSES THEREFORE THE WHOLE UNIT MUST BE UNPOWERED



TITLE:	DATE:
PUMP CONTROL with ALARM Applications	04-Dec-11
BY: TEKSEL K.SELIN	PAGE:
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