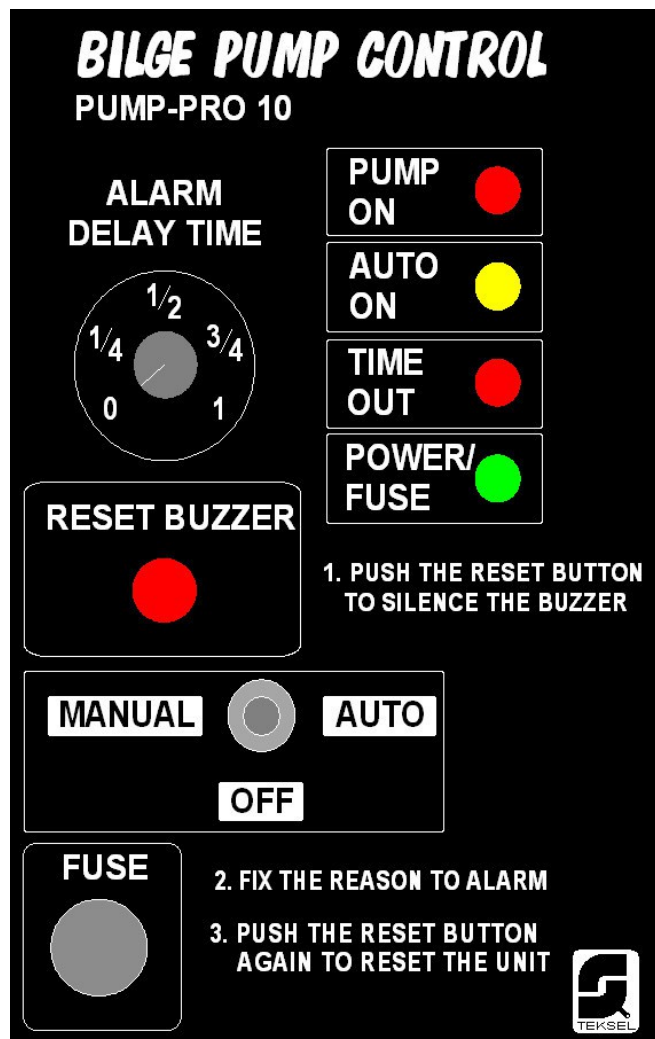


# BILGE PUMP CONTROL PUMP-PRO 10

With memory for the reason to alarm



**PUMP-PRO 10 max. 10AMP**

**PUMP-PRO10 IS MICROPROCESSOR CONTROLLED**

CONTROL OF THE PUMP  
**"MANUAL,OFF, AUTO"**

CONTROL OF OVERRIDING  
THE PRESETTED **"ALARM DELAY-TIME"**

CONTROL/ ALARM OF THE FUSE

ALARM-BUZZER

REMOTE RESET

12- 24VOLTS

**PUMP-PRO 10 CONTROLS A BILGE PUMP WITH A SEPARATE OR BUILT-IN LEVEL SENSOR**

**PUMP-PRO 10 CAN BE PARALLEL-CONNECTED TO A EXISTING CONTROLPANEL**

IF THE PUMP RUNNING TIME EXCEEDS THE PRESETTED ALARM TIME, (PRESETTABLE TO **0- 10/20/30 min.**), IT WILL ACTIVATE AN ALARM

WHEN ALARM, THE **BUZZER** SOUNDS and the **"LED ´S"** WILL FLASH AS FOLLOWS:

- 1) THE FUSE BLOWN: **"POWER/FUSE"** WERY FAST FLASH
- 2) AUTO ON & LEVEL ON: **"AUTO ON + TIME OUT"** FAST FLASH
- 3) MANUAL 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

**PRICE: 225,- € (incl. VAT) + delivery 7,- €**

Ordering contact's here below

**For Whole-/ Retail-sale, Manafactory's, ask for them price's for You.**



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## FUNCTION

When Alarm:

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

The LED's will continue to flash in, **"MEMORY-STATE"**, until the reason to the alarm is fixed

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

The **PUMP-PRO 10** unit monitors the status of the fuse, thus giving an alarm if blown

The **PUMP-PRO 10** unit is powered itself, until the power connection (**J3**) is disconnected

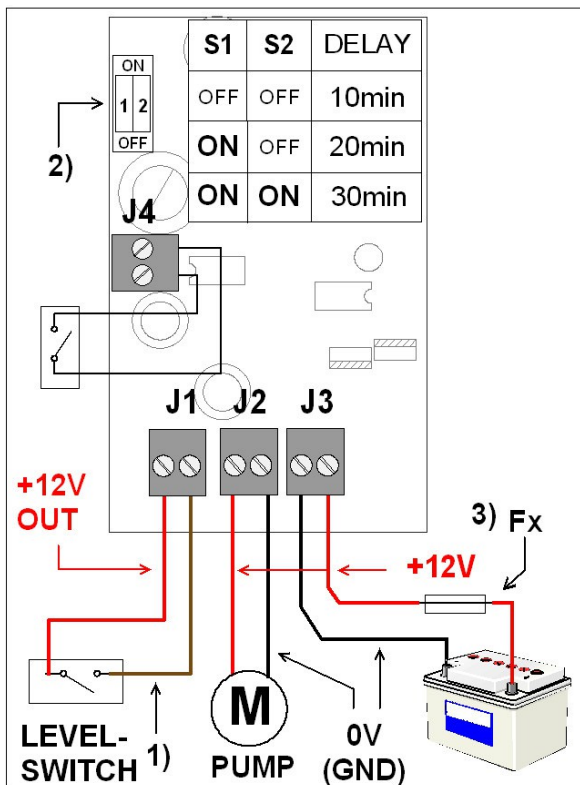
With the switch **"OFF"** the **PUMP-PRO 10** will send **"TEST PULSES"** to monitor the status of the level-switch, if active, giving an alarm

**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 10 (J3)** when service / maintenance.

(No harm done even not unpowering the **PUMP-PRO 10** or shortening the level- switch terminals)

## CONNECTIONS



1) When using a built-in levelswitch, this leader does not exist

2) Selection of the delay-time limits

3) The +12V supply should be protected with an external fuse with a minimum of the size of the pump-fuse (max. 10A)

With the PUMP-FUSE BLOWN the **PUMP-PRO 10** unit is still powered, (it is internally protected).

**J4** Remote reset

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

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

## TECHNICAL INFO

VOLTAGE 12 - 24V

CURRENT for the Pump (via the relay) **max. 10A/12V 5A/24V**

CURRENT (**PUMP-PRO 10 ONLY**, not the pump):

With **NO** alarms: max. 110mA

With **ALL** alarm's **"ON"**: max: 160mA

Installation: Recessed mount

The enclosure is rated to : **IP54**



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