PUMP MONITOR

twistfix®

Power lamp

(green)

On = power on

Flashing = pump on

Alarm lamp (red)

Flashing = water

Level is high

Set button

Used to

Programme

The type of pump

Cancel alarm

Button used to

1, mute an alarm

2, reset an alarm

3, select pump

The pump monitor has been designed to monitor automatic water sump pumps. It is wired in the power line to the pump. It also has the option to add a high level water alarm indicator. There is also a built-in alarm relay that can be used to signal a home automation system, house alarm or a remote dialler.

The monitor can also be set up on installation to show the amount of water pumped since installation.

Installation Instructions Refer DIA 1

The mains power must be turned off and isolated before any work is attempted. If unsure consult a qualified electrician. Never open the monitor cover with the power on.

The pump monitor must be wired into the power cable to the pump using the L (live) N (neutral) and E (earth). The high level water alarm is connected to the float terminal block and is placed in a position in the sump chamber to indicate the water level is too high and needs to operate the alarm. The alarm float is low voltage (12VDC) and must be installed so the float rises on contact with water.

Setting Instructions Refer DIA1

Setting the type of pump for the correct volume of water pumped :

1.   Turn off and isolate the power supply.

2.   Open the monitor lid and remove the jumper link from its position on JP1 to its setting position PJ3.

3.   Replace the monitor lid.

4.   Turn on the mains power, the monitor will test lamps and sounder and the display will show.

5.   Use the CANCEL ALARM button to select the type of pump N301, N302, N303, N358 or No Pump selected, this will show on the monitor display.

6.   Press the SET button, the monitor will now store the set pump in it's memory.

7.   Again turn off and isolate the power supply.

8.   Open the monitor lid and remover jumper link from JP3 and place it back on JP1.

9.   Replace monitor lid.

10.   Turn on the mains power, the monitor will again test the lamps and sounder.

11.   Test the monitor by lifting the pump float so the pump operates, the green lamp will flash when pumping and the display will show the number of pump cycles and the amount of water pumped in litres.

To reset the cycle counter and water pumped, repeat setting above and select the same pump again.
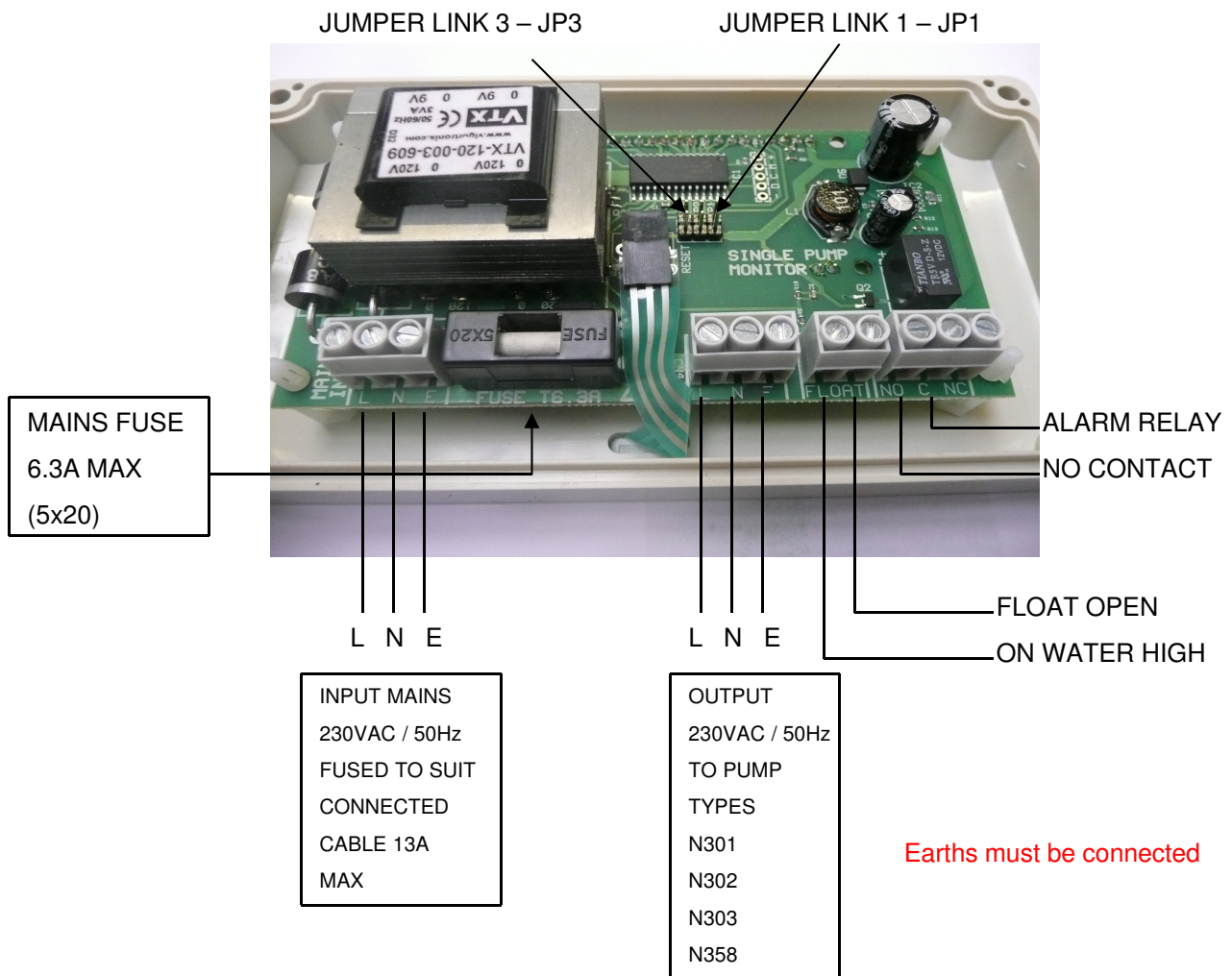
User Notes

The pump monitor will indicate the power is on to the pump and when the pump is operating the green lamp flashes.

If the monitor is in high level water alarm, the display will indicate water level high. You can mute the alarm sounder by pressing the CANCEL ALARM button. If the water level is still high the red lamp will continue to flash. If the water level is normal the red lamp will go out. (on alarm the alarm relay will operate to trigger aux devices).

The monitor will also alarm if the pump operated but does not stop within one hour. This alarm warns that a pump may be faulty or the pump float has jammed or broken. The display will indicate "Pump Time Out Exceeded".

The display shows the number of pump cycles since installation and an approximate volume of water pumped by the system in litres.

DIA 1

JUMPER LINK 3 – JP3   JUMPER LINK 1 – JP1

MAINS FUSE
6.3A MAX
(5x20)

ALARM RELAY
NO CONTACT

FLOAT OPEN
ON WATER HIGH

L   N   E

L   N   E

INPUT MAINS
230VAC / 50Hz
FUSED TO SUIT
CONNECTED
CABLE 13A
MAX

OUTPUT
230VAC / 50Hz
TO PUMP
TYPES
N301
N302
N303
N358

Earths must be connected

DO NOT OPEN PUMP MONITOR BOX WITHOUT ISOLATING THE MAINS POWER. FOR INDOORS ONLY. THE PUMP MONITOR IS NOT WATER PROOF.
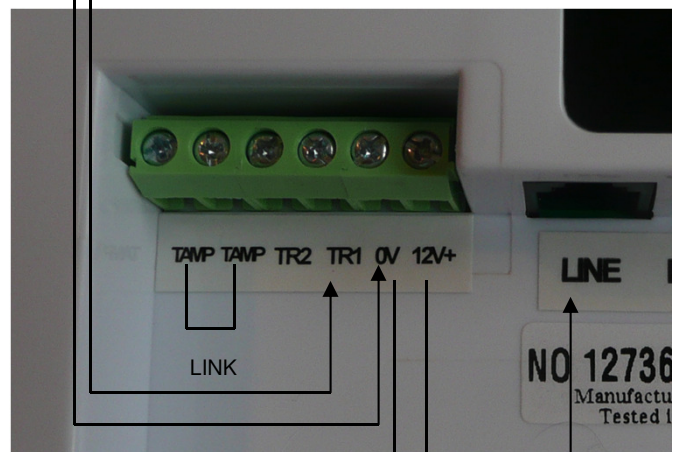
Pump monitor connects to autodialler HYL004

Wykamol Pump Monitor

Connect with alarm signal cable

Connect to alarm relay NO & C

GJD Autodialler HYL004

LINK

LINE IN

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12V+ from adaptor

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FOR USE INDOORS ONLY. THE PUMP MONITOR & DIALLER ARE NOT WATER PROOF.