



Twin Pump Control Panel Quick Start Guide

en-GB

Warnings & Safety Instructions

This product conforms to current safety requirements. Inappropriate use can lead to personal injury, injury to others and damage to property.

Please read the following operating & installation instructions before installing this product. The following document contains important information on the safety, installation, use and maintenance of the product. This information will prevent hazards arising.

Keep this document in a safe place for further use.

Installation

- ▶ When the cover of the product is removed, ensure that the incoming external voltage source is isolated/removed.
- ▶ Take extra care when connecting wires to the terminal blocks in the product. Avoid lengthy insulated cable and ensure that there are no loose cable strands. It is advised to terminate stranded cables with ferrules.
- ▶ Take extra care when installing this product where the audio alert may be impeded. Please note that the environment the product is situated will affect the audio alert volume and sound quality.
- ▶ Installation of this product should be carried out by a competent person.

Caring for the Environment

Disposal of packing material

The packaging is designed to protect the product from damage during transportation. The packaging materials used are selected from materials which are environmentally friendly for disposal and should be recycled.

Recycling the packaging reduces the use of raw materials in the manufacturing process and also reduces the amount of waste in landfill sites.

Disposal of your old appliance

Electronic and electrical appliances contain many valuable materials. They also contain certain materials, compounds and components which were essential for their correct functioning and safety. These could be hazardous to your health and to the environment if disposed of with general waste or if handled incorrectly. Please do not dispose of your old product with your household waste.



Instead, please make use of officially designated collection and disposal points to dispose of and recycle

the product or return the it to Drainstore using the contact information provided at the back of this document.

Disposal of old batteries

▶ Do not dispose of old batteries in general waste.

Depending on the variant of the product, it may contain lithium ion battery cells. Should the function of the battery be depleted over time, or damage has occurred to the battery, then the battery must be disposed of and a replacement battery fitted. You are legally obliged (depending on country) to remove any old batteries and take them to a suitable collection point where they can be handed, free of charge.

Old batteries contain valuable raw materials which can be recycled. Disposing of batteries separately makes them easier to handle and recycle.

Guide to the Product

External features:



1 User interface:

Alarm indicator - flashes red when alarm is active

High level indicator

Pump 1 over current indicator

Pump 1 over temperature indicator

Pump 2 over current indicator

Pump 2 over temperature indicator

Test button - activates alarm and alarm outputs

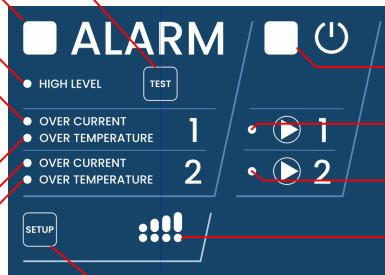
Power indicator - Constant blue when mains power is connected. For the backup battery variant the indicator will flash red when mains power is removed

Pump 1 active indicator

Pump 2 active indicator

GSM signal indicator

Setup button - for GSM alarm setup, this feature is not active on the basic unit



② Isolation Switch – The front fascia of the product is not removable unless the switch is in the OFF position.

③ Audio alarm buzzer

④ Audio alarm mute switch. The audio is muted when in the OFF position.

▶ **WARNING** The incoming mains is still live at the input side of the isolation switch when in the off position.

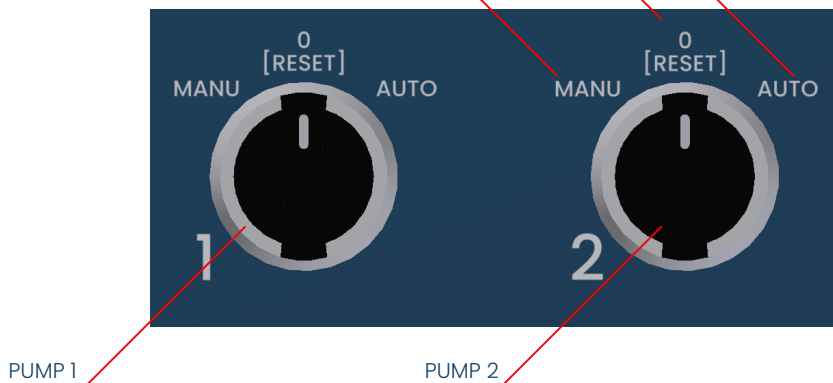
⑤ Pump control switches:

Pump automatic mode – The pump controller will automatically regulate the liquid level depending on the float switches positions and their status

Pump OFF

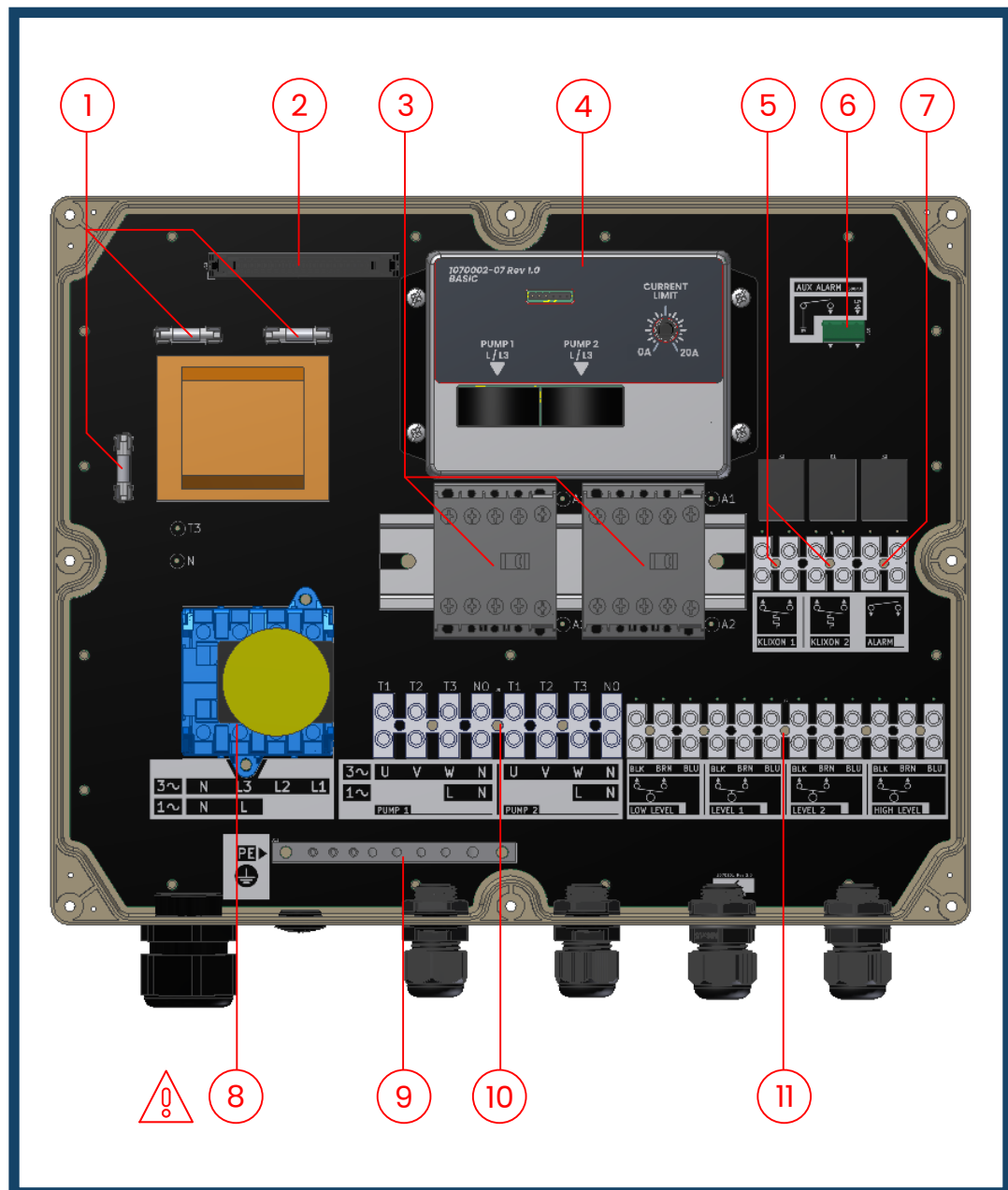
Pump manual mode – This will switch the pump on

WARNING The pump is not protected in manual mode



Guide to the Product

External features:



① Input fuse protection:

F1 : 250mA

F2 : 3A

F3 : 3A

② User interface cable connector

▶ **WARNING** The front fascia **MUST** be connected for the controller to operate

③ Contactors

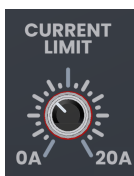
④ Control unit - Three control units are available:

>BASIC - Basic control unit

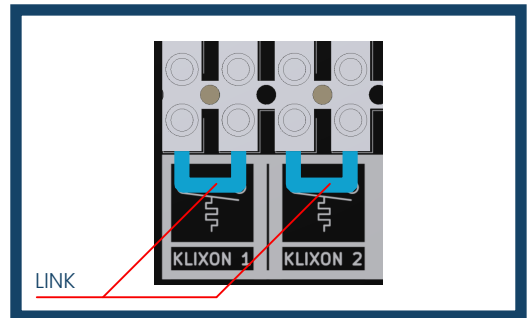
>BATTERY - Alarm backup battery control unit

>GSM - SMS alarm alert and backup battery included

The current limit for each pump is set by altering the current dial on the top of the control unit.



⑤ Pump overheating contact input. If not used link the outputs as shown:



⑥ Auxiliary alarm 12Vdc output when the alarm is active. 500mA current limit.

⑦ Alarm output relay:

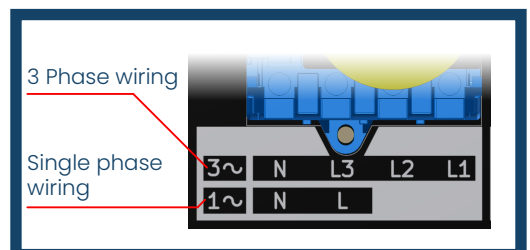
ALARM INACTIVE



ALARM ACTIVE



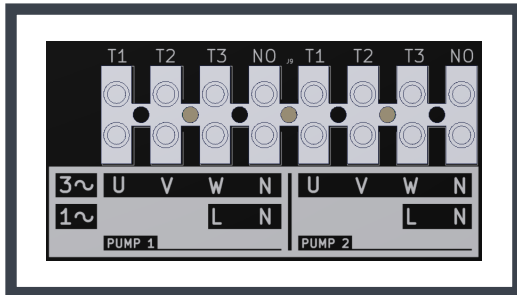
⑧ Mains input isolation switch



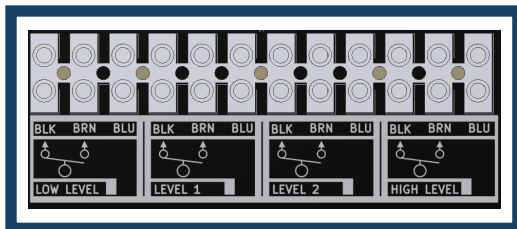
▶ **WARNING** Risk of electric shock! Isolate the incoming mains before wiring to the isolation switch.

9 Earth terminal block –
Ensure this is earthed for
safe operation

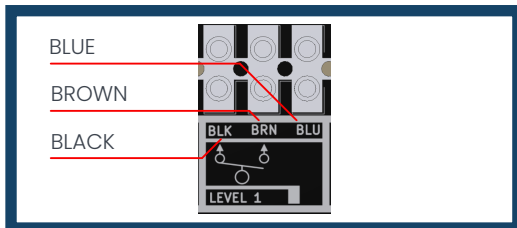
10 Single and three phase
pump controller output
connector – connect each
pump using the wiring guide
next to the connector



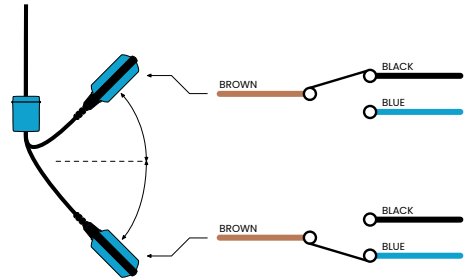
11 Float switch input connector



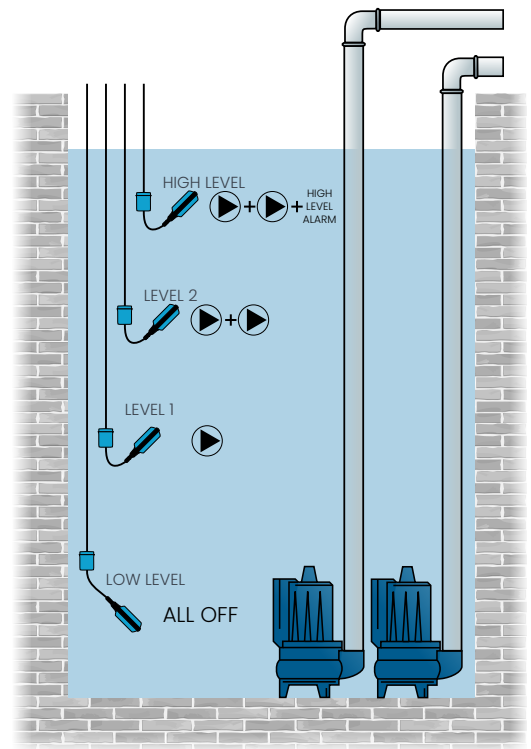
Connect the floats by fitting the
colours of each cable to their
designated terminal, as detailed
next to the connector.



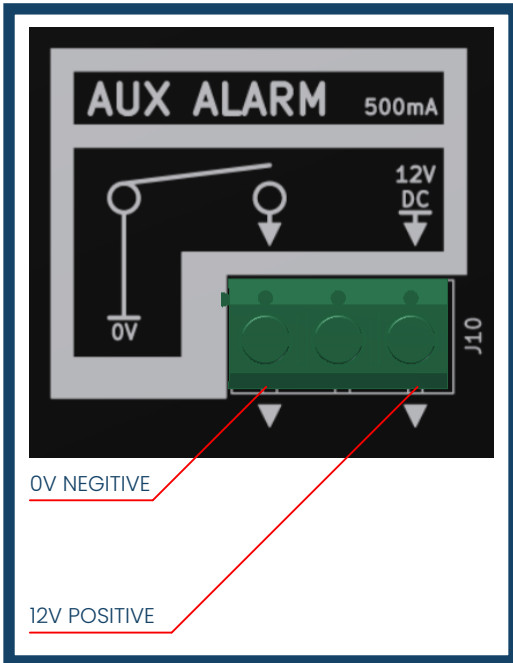
Float switch operation:



► NOTE The float switch must
be tethered or weighted to
operate correctly



Aux Alarm

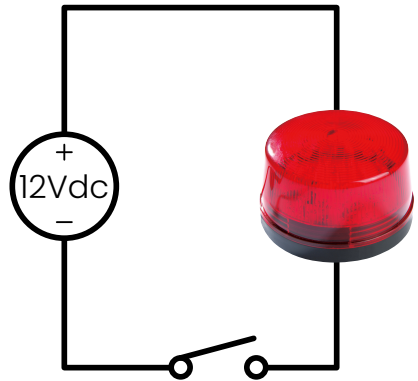


Optional accessories can be attached to the AUX alarm at J10, e.g. an external beacon.

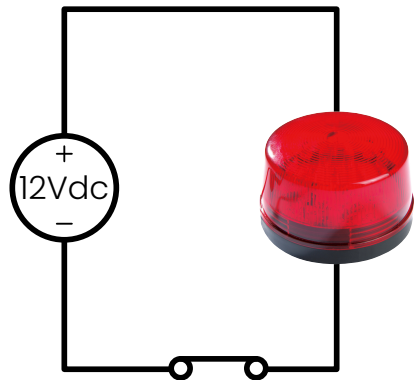
The AUX alarm provides a 12Vdc voltage capable of delivering 500mA in the event of an alarm.

► NOTE: for backup battery units external circuitry will affect the battery lifespan when in a power off event.

ALARM INACTIVE

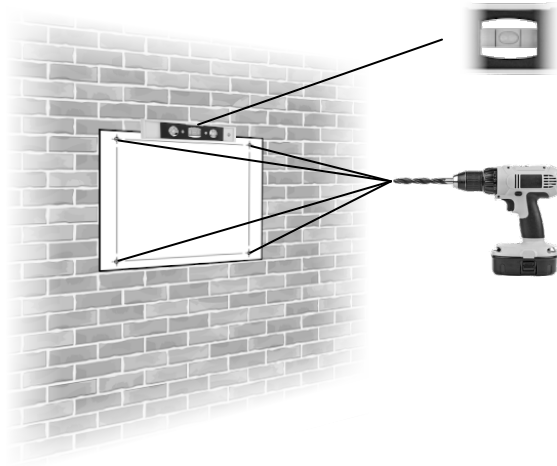


ALARM ACTIVE

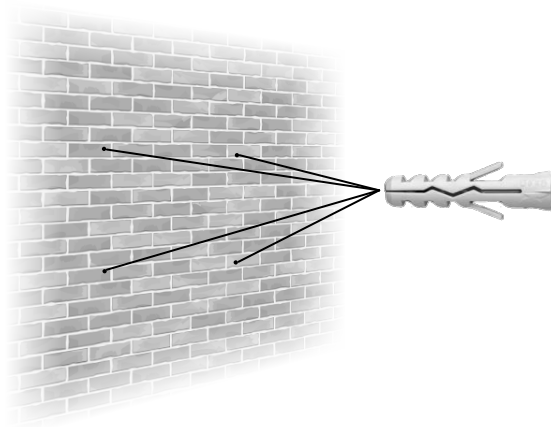


Fixing to the Product to a Wall

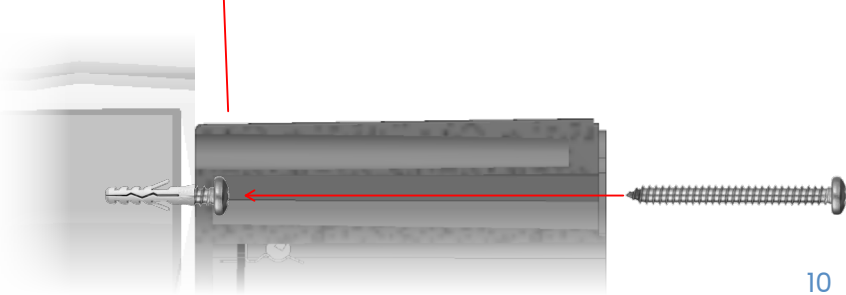
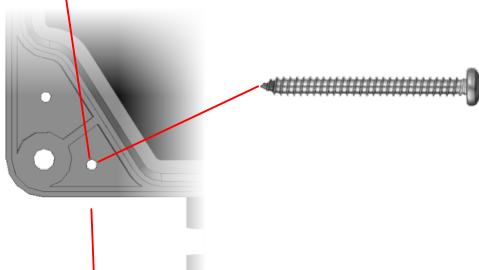
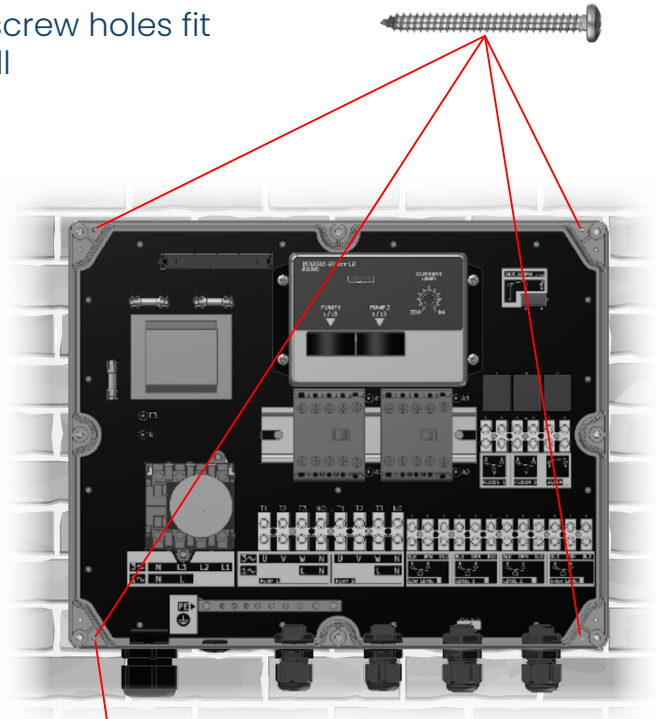
STEP 1: Align the drill template
and drill the holes indicated



STEP 2: Use wall plugs if required
for the type of wall



STEP 3: Using the screw holes fit the unit to the wall



Specification

Supply voltage	230Vac I/III or 400Vac III -20% +30% 50/60Hz
Supply voltage wiring size	16mm ²
Pump current range	1-12A
Pump output wiring size	12mm ²
Overload setting (I _{max})	Settable from 1A to 20A
Float switch supply voltage	5Vdc 10mA
Float switch and alarm output wiring size	10mm ²
Pump protection	Overload, over heating
Alarm output	10A 250Vac or 125Vdc isolated relay output
Acoustic output	103dB 3kHz 12Vdc
Auxiliary alarm output	12Vdc 500mA
IP rating	IP65
Size	340mm x 300mm x 120mm
Weight	3.7kg
Temperature	-10°C to +55°C
Cable gland configuration	Supply 1 x M25 / Pumps, inputs & outputs 6 to 9 x M16

Address: Triton Controls LTD
Randolph Industrial Estate
Evenwood
Bishop Auckland
Co. Durham
DL14 9SJ
UK

Tel: 01388 833000

Email: info@tritoncontrols.co.uk

Website: www.tritoncontrols.co.uk