



## Triton Single Pump Monitor/Alarm

### Data Sheet/Installation Guidelines

Triton's pumps and drainage systems are designed to be used in combination with Isola Platon cavity drain membranes. The Single Pump Monitor/Alarm has an integral high level audible/visual mains alarm which is activated by the pump's float mechanism within the sump. (A Dual Assist Control Panel is also available for where two pumps are located within one sump – there is a separate data sheet available for this product.)



The unit controls the activation of the pump by way of a float mechanism which is located in the sump chamber. The high level float mechanism is set at a level just higher than that of the pump. When installed, the panel will enable contractors and pump service engineers to monitor the pump's activity during the period between service visits and will indicate the volume of water entering the installed cavity drain system.



This single pump control unit contains an integral high level alarm, both audible and visual, and visual counters which record the number of pump activations and length of run time.

### Features

- Single pump operation
- Electronic control panels
- Very low voltage inputs for external control
- Mains LED
- Motor operating LED
- Motor protected LED
- Min/Max alarm lamp
- Auto-Off-Manual selector switch (Manual not latched)
- Adjustable current potentiometer for different pump sizes

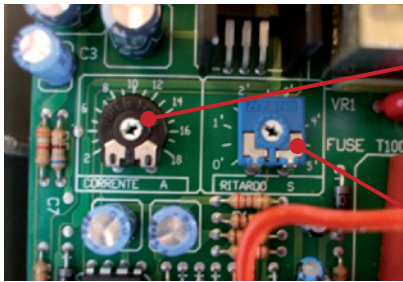
- Motor fuses
- Aux. protection fuses
- Door interlock switch
- Plastic enclosure
- IP50 protection

### Plus

- Battery operated hours run
- Battery operated counter
- Single float operation (differential float)
- Alarm outlet (MA/1 or equivalent)
- Alarm operated by alarm float and panel trip

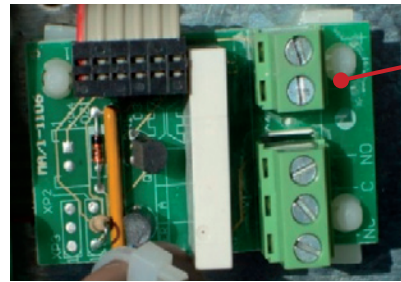
### Installation guidelines

Before putting the panel into service, it is essential to check that it has been correctly set up for the installation in hand. These checks must include:



**Motor current overload trimming potentiometer**  
Set value to motor rated current plus 10%

**Start up overload delay trimming potentiometer**  
Set values to 4s

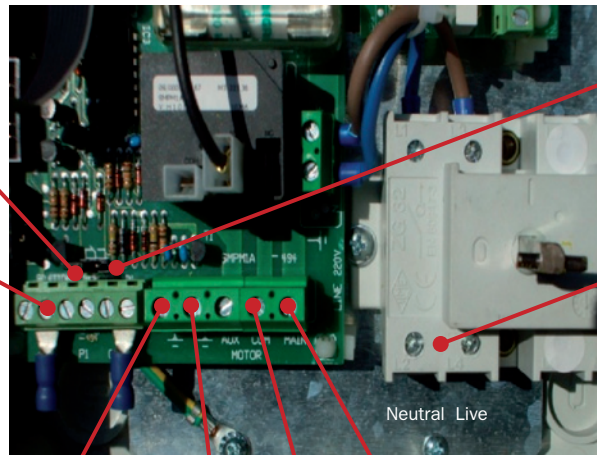


Optional high level alarm float switch inputs

### Power, pump and float connections

Inputs  
1 – 2 Linked  
3 – 4 Float switch  
5 – 6 Linked

Terminals numbered left to right 1 – 6



Leave jumper in NC position

Isolator Inputs  
Neutral – Live

Supply Earth

Earth Neutral Live  
Pump

Neutral Live

The panel is designed to control a single pump from a single float switch. An optional high level alarm float may be installed, set above the pump float, to warn of excessive water level.

In operation the pump will start as soon as its float is activated. The audible alarm and warning light is activated by the alarm float and also if the current overload trip operates.

### Triton Contact Details:

Triton Systems  
Units 3 – 5 Crayford Commercial Centre, Greyhound Way, Crayford, Kent DA1 4HF

Tel: 01322 318830  
Fax: 01322 524017  
Email: [info@tritonsystems.co.uk](mailto:info@tritonsystems.co.uk)

[www.tritonsystems.co.uk](http://www.tritonsystems.co.uk)