

## **HIGH LEVEL ALARMS for SEWAGE & WASTE WATER PUMPING SYSTEMS**

### **PTL1A (SIDE MOUNTED FLOAT) USED WITH A FLOOR MOUNTED WASTE WATER SYSTEM e.g. DRAINMAJOR - DRAIN-KING**

The float mechanism provided must be attached through the side of the GRP tank and positioned in an area away from the inverts from sinks, dishwashers, glasswashers etc. to prevent ingress of water inadvertently actuating the horizontal float switch mechanism.

### **PTL1B (TOP MOUNTED FLOAT) USED WITH A FLOOR MOUNTED WASTE WATER SYSTEM e.g. DRAINMASTER.**

The float mechanism provided must be attached through the indent point situated under the end cover on the top of the tank.

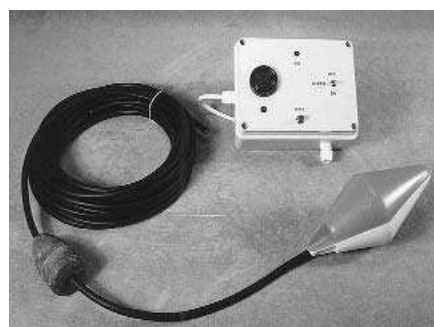
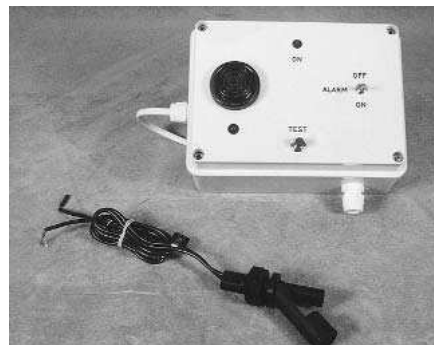
### **PTL1C (NON MERCURY SWITCH FLOAT) USED WITH BELOW GROUND SEWAGE OR WASTE WATER PUMPING SYSTEM e.g. PUMPMATIC.**

A float and weight is provided to activate the High Level Alarm. We recommend that the float is securely attached to the discharge pipework at a higher level than the activation level of the automatic float switch of the pump.

### **PTL1D (REMOTE ALARM) USED WITH FLOOR MOUNTED SEWAGE SYSTEMS e.g. EFFLU MAXI, EFFLU MIDI**

These systems have volt free contacts on both the single and dual pump versions. They are designed to be wired into the main Control Panel of Pump Technology Floor Mounted Waste Water and Sewage Pumping Systems.

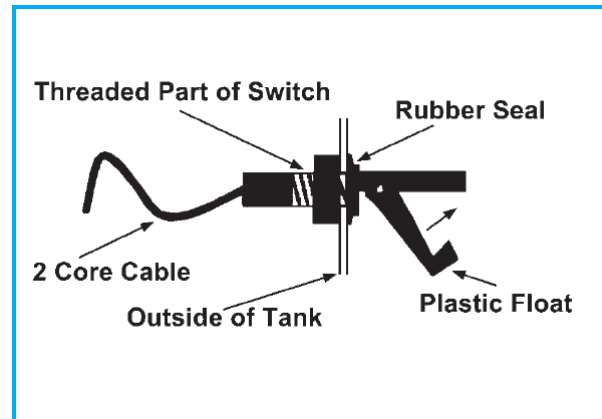
These units are designed for connection to a 240V supply circuit. The alarm buzzer has a minimum volume of 80 dBA (at 1m distance). A rechargeable battery is fitted in case of mains electricity supply failure.



# FITTING INSTRUCTIONS - HIGH LEVEL ALARMS for SEWAGE & WASTE WATER PUMPING SYSTEMS

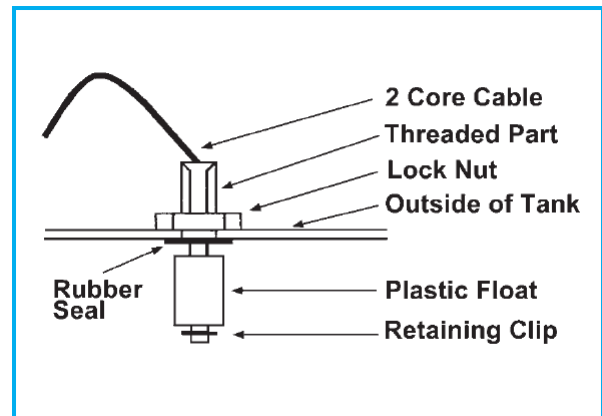
## PTL1A (SIDE MOUNTED FLOAT)

1. Drill a hole in the side of the tank at high level i.e. **above the "switch-on" level of the pump float.**
2. Thread the rubber seal over the cable and pass the cable through the side of the unit from the inside outwards.
3. Thread the lock nut over the cable and secure in place. **Do not overtighten the lock nut.**
4. Ensure that the inflow of water to the tank is not directed onto the float.
5. Attach the 2 core cable to the terminals marked "FLOAT" in the High Level Alarm unit.



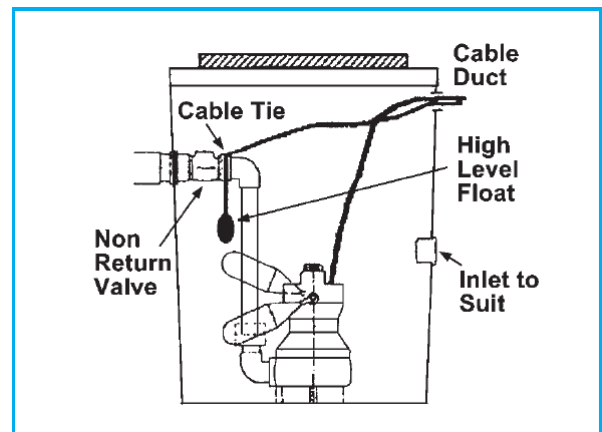
## PTL1B (TOP MOUNTED FLOAT)

1. Drill a clearance hole in the lid, at the indent point provided, under the end cover.
2. Thread the rubber seal over the cable and pass the cable through the lid from the underside.
3. Thread the lock nut over the cable and secure the switch in place. **Do not overtighten the lock nut.**
4. Attach the 2 core cable to the terminals marked "FLOAT" in the High Level Alarm unit.



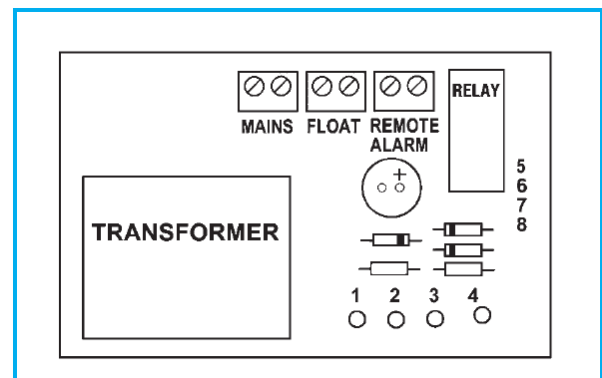
## PTL1C (NON MERCURY SWITCH FLOAT)

1. A float and weight is provided to activate the High Level Alarm.
2. We recommend that the float is securely attached to the discharge pipework at a higher level than the activation level of the automatic float switch of the pump.
3. Attach the high level float so that it will not be fouled by the pipework etc.
4. Attach the 2 core cable to the terminals marked "FLOAT" in the High Level Alarm unit.



## PTL 1D (REMOTE ALARM)

1. Site alarm panel as required with a 240V power supply, preferably not from the same source as the pumps.
2. Run a 0.75mm 2 core cable from the volt free contact on the main control panel to the PTL 1D alarm panel terminals marked float, wherever this is sited away from the main Control Panel.
3. The HLA can be connected into the Building Management System via the Remote Alarm Terminals.



## NOTE: PUMP TECHNOLOGY PTL/1

These High Level Alarms require their own **DEDICATED** power supply and **MUST NOT** be powered from the same source as the pump/s.