

## Libra Micro Controller

Libra Micro Controller is a simple, effective pump controller available in both single and dual pump versions and suitable for 1ph 230v 50Hz pump motors up to 9.3A full load current (FLC).

Comprising a host of user friendly features, such as power indication, fuse ruptured detection, next pump in sequence indication (on dual version only), audible alarm and volt free contacts for remote indication.

Versatile for single and dual applications and compatible with various liquid level detection options such as FLO range of float switches, LevelPal level sensors, and conductivity probes control, the Libra Micro Controller is ideally suited to compact sump dewatering.

All our control panels are designed and manufactured in the UK.



### Features

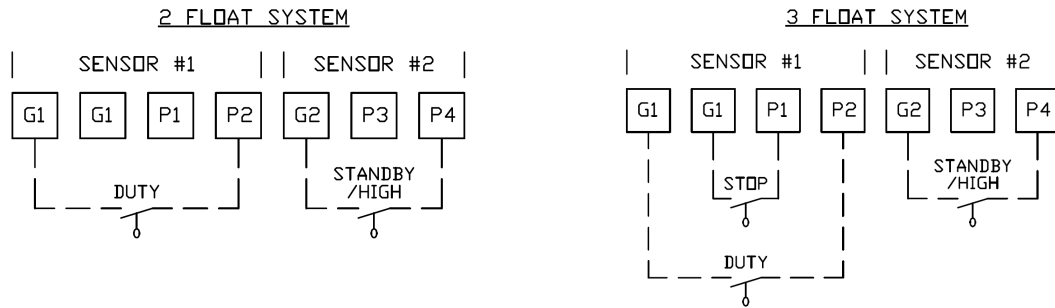
- Motor control up to 9.3A full load current.
- Mains on indicator c/w mains fail fault output via the volt free fault relay.
- Pump operating indicator(s).
- Indication of next duty pump (on dual version).
- Pump(s) individually fused.
- Suitable for FLO range float switch, LevelPal or conductivity probe level control.
- Volt free contact for remote monitoring of high level/ power failure alarm.
- Sensitivity adjustment for LevelPal or conductivity probe use.
- PCB design.
- Compact weatherproof IP66 enclosure.
- Audible alarm c/w mute button.
- 12V.DC output for remote beacon.
- 'Test' button facility for both pump and high level alarm.
- Volt free contact for remote monitoring for pump(s) fault.

### Specification

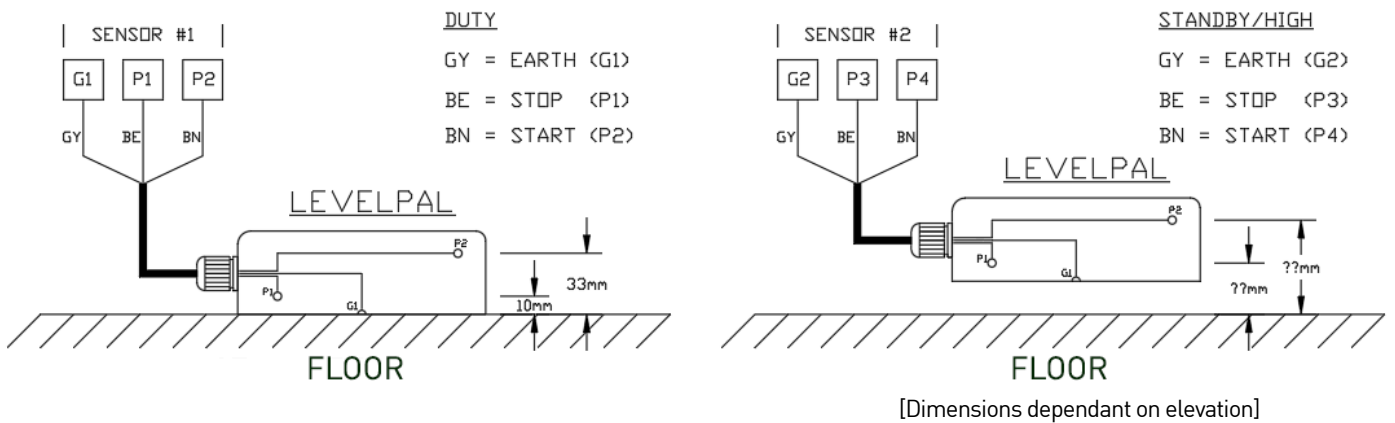
- **Supply voltage** 230V +10% -20% 50Hz 6VA
- **Output relay** 9.3A inductive
- **Internal fuse** 20mmx 5mm 250mA Anti Surge (PCB protection)
- **Pump fuse(s)** 20mm x 5mm (max. 16A)
- **High level Alarm delay timer** adjustable from 2-60 seconds from initiation of standby pump (pump down timer)
- **Sensitivity range** 10kΩ to 100 kΩ
- **Terminal capacity** 2.5mm<sup>2</sup> Max
- **Ambient temperature** -10°C to 50°C
- **Enclosure weatherproof** IP66
- **Enclosure dimensions** 130mmH x 145mmW x 60mmD (113mm x 113mm centres M4)

### Connections for FLO range float switch control (2 & 3 float system)

If using FLO range of float switches the brown and black cores will be used (open contact in a down position, closing contact on rising level and float activation).



### Connections for LevelPal Sensors - Standard Positions



### Level Control Connections Using Conductivity Probes

