N2P | Pump Controls
engineering innovative solutions

Olympus Pump Controller

Installation Guide

OVERVIEW:

The controller monitors applications for a high- or low-level fault and has terminals for the level input.

CONTROLLER SPECS:

The controller is rated to 200–260 VAC, 800W, 50Hz. Rated to IP64

All electrical work must be carried out per required wiring regulations.

Refer to attached wiring and circuit diagram when installing the controller.

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Installation Instructions

Refer to attached wiring and circuit diagram when installing the controller. All electrical work must be carried out per NZS 3000:2007 and NZECP2:1993. The controller must be earthed at the distribution board and suitably protected. Any questions during installation, please contact N2P Controls on 09 570 1919.
This controller is rated to 4A at 230V.

1. Remove the cover from the controller and refer to the wiring diagram inside.
2. Wire the Phase, Neutral, and Earth supplies to the bottom 3 terminals.
3. Wire the alarm signal to the terminals labelled Alarm Input. Any spare or redundant wires can be terminated in the terminal labelled Not Used. The input must be a voltage-free contact. The input is extra-low voltage (<12VDC).
4. **IMPORTANT:** Ensure that conduits into controller are fully sealed to stop condensation from forming within.
5. Set the dipswitch for a Normally Open or Normally Closed input (refer to following page).
6. An optional BMS output will close on alarm activation. This can be connected directly at the PCB (refer to the PCB layout diagram).
7. Once installed, commission by:
   - Power controller – Green Power On LED on the front should illuminate.
   - Test the alarm input by instigating an alarm condition (e.g., raise float). The red Fault LED should illuminate, the buzzer sound, and the alarm light flash.
   - Press the mute button to stop the buzzer.
   - stop the buzzer.

Alarm Configuration

Move dipswitch for preferred functionality. The Dipswitch is ON when it is pushed away from the number.

BUZZER SETTINGS

Continuous: The buzzer sounds continuously until the mute button is pushed. It will stay muted until the next alarm state occurs.

Chirp: The buzzer sounds continuously until the mute button is pushed. Once the mute button is pushed, the buzzer chirps once every 10 minutes until the fault is cleared.

Auto: The buzzer sounds continuously for 30 minutes then automatically mutes. If desired, the buzzer can be silenced immediately using the mute button.

Mute: Move the dipswitch on the PCB as highlighted to enable mute.

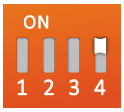
LED SETTINGS

If Dipswitch 3 is off when an alarm is active, the alarm LED will flash.

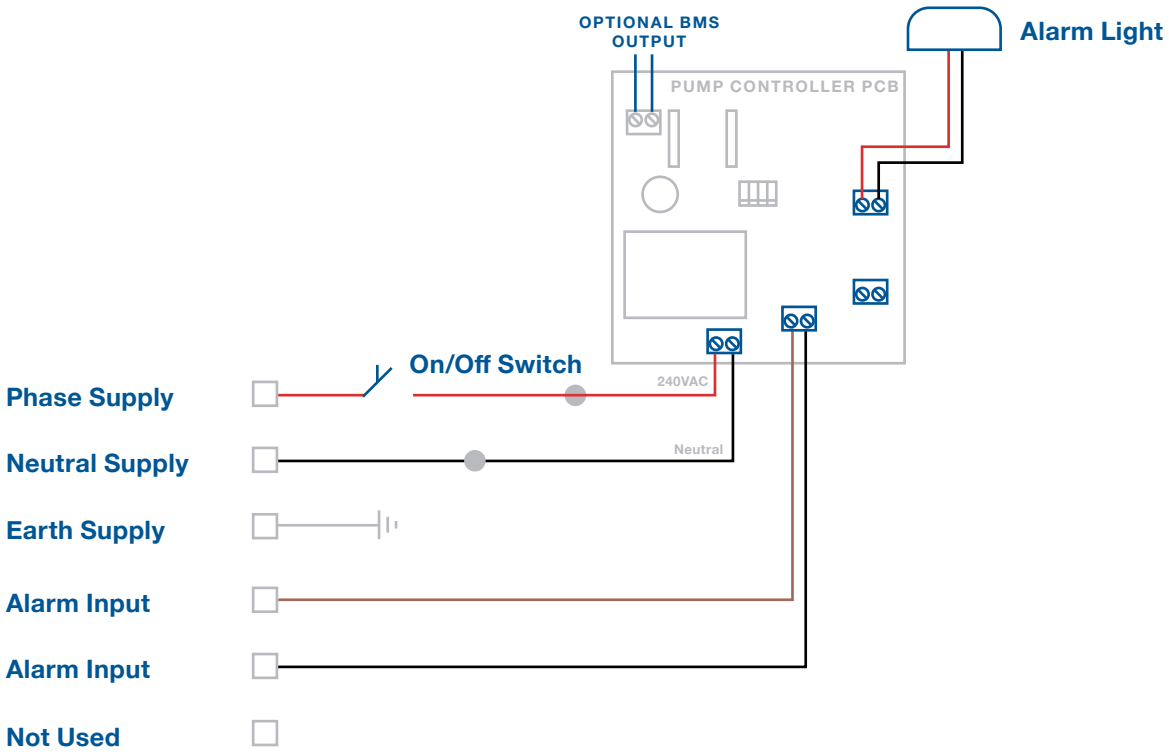
If Dipswitch 3 is on when an alarm is active, the alarm LED will stay illuminated.

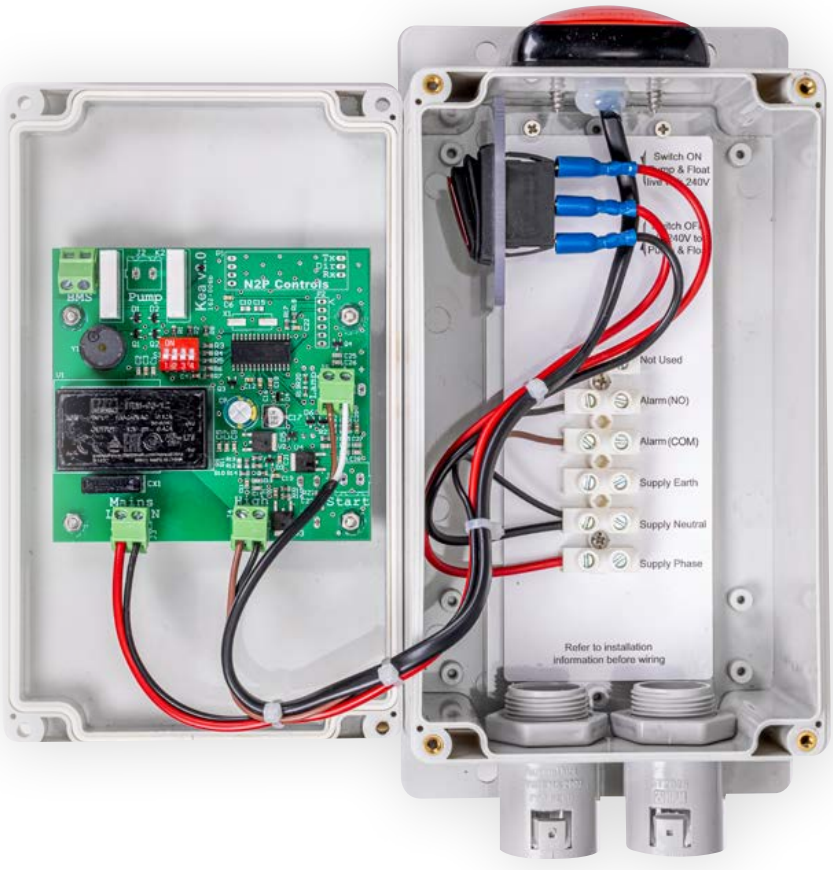
ALARM INPUT SETTINGS

If Dipswitch 4 is off a closed circuit across the alarm input will cause the alarm to activate



If Dipswitch 4 is on an open circuit across the alarm input will cause the alarm to activate.


OPTIONAL BMS OUTPUT
Alarm Light
PUMP CONTROLLER PCB
On/Off Switch
240VAC
Neutral
Phase Supply
Neutral Supply
Earth Supply
Alarm Input
Alarm Input
Not Used


N2P Controls
Switch ON
Not Used
Alarm (NO)
Alarm (COM)
Supply Earth
Supply Neutral
Supply Phase
Refer to installation information before wiring