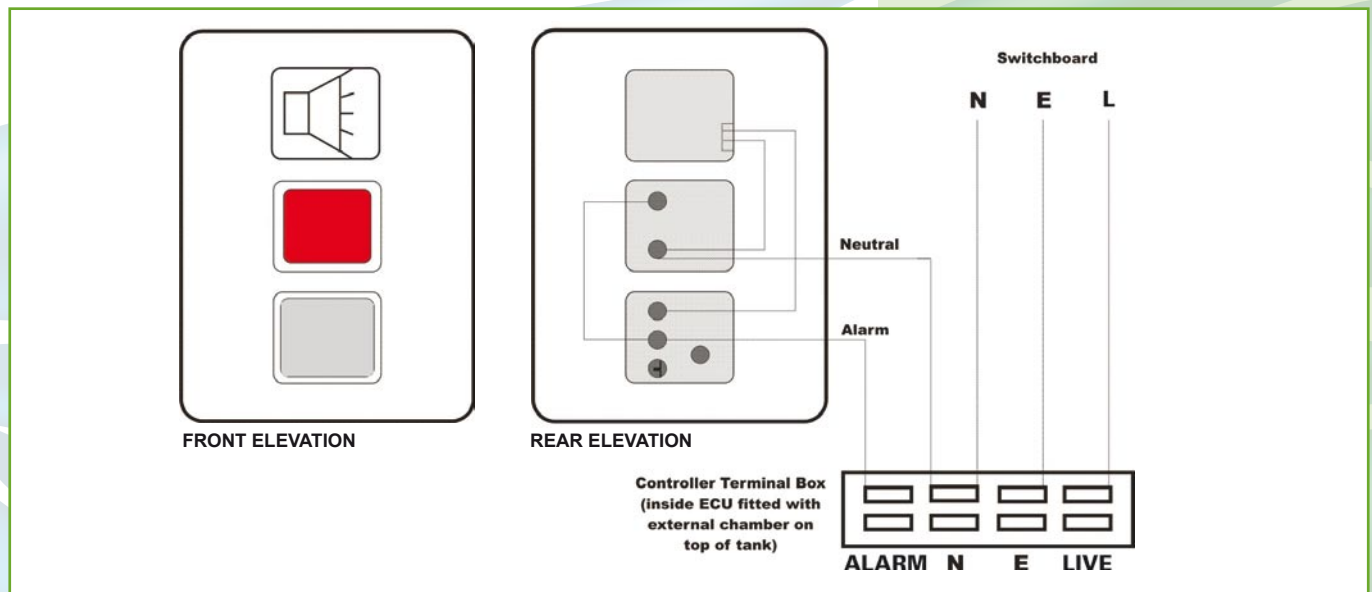


ELECTRICAL REQUIREMENTS



Introduction

A registered electrician should perform the electrical connection of a Hynds Lifestyle Wastewater Treatment System on-site.

All electrical work must be carried out in accordance with NZS 3000: 1997 and NZECP2: 1993.

A 2.5mm (twin and earth) cable from the switchboard to the tank, protected by its own dedicated 16 Amp 30mA RCD. For the homeowner / occupier's benefit, the cable should be labeled appropriately. In addition, a twin P&N cable is required from the controller (on the tank) to the alarm plate (inside the building).

External Power and Alarm Cables

These cables can be laid in the drainage line trench going out to the tank, to save additional trenching cost. The wiring conduit needs to be fully sealed (including at the ends) to ensure storm / ground water cannot enter the system's electrical housing via water ingress into and tracking down inside the conduit.

Alarm Plate (see diagram above)

The audio-visual alarm is similar to a light switch (using the same type of flush box) and will be with the electrical controller, which is in the chamber on top of the tank.

The alarm should be installed inside the building and positioned where it can be heard and accessed in order to view the warning light and, if necessary, the alarm muted once Hynds Environmental has been contacted).

On living of the circuit, the alarm may activate. This is caused by a high water level from the initial inactive period and may last up to 30 minutes depending on the water level. During this period, the alarm can be switched to the 'MUTE' (up) position.

Once the water level has been pumped down to the tank's normal operating level, the light will automatically extinguish and the switch must be reset to its 'NORMAL' (down) position in order to provide the audible warning.

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protecting our environment