BioCycle Ltd

15 Mexted Place
P.O. Box 9262
HAMILTON
Ph. 0274 998 799

Electrical Circuit Specifications

Power requirement is single phase 240 volt with maximum output of less than 1100 watts. Connection to the BioCycle system requires five wires in total with two being combined as hook up wire for the alarm plate.
The circuits required are as follows:

1. A dedicated circuit of 2.5mm conductor size. Active, neutral and earth, to run from the building switchboard to the terminal located in the electrical unit mounted on top of the BioCycle System. A 16 amp maximum fuse or a 20 amp maximum circuit breaker or H.R.C. fuse must protect the circuit.

2. The return cable from the BioCycle Electrical Box to the alarm plate is 2.5 T.P.S. cable.

NOTE:

A. All electrical work must be carried out in accordance with the New Zealand Electrical Regulations 1997

B. The alarm plate should not be enclosed and needs to be in an area providing free air movement around the electrical components of the alarm.

C. If the alarm is to be located on a surface mount fitting then it is recommended to drill three 4mm holes in the top of the fitting and one in the base to permit air flow.

Upon initial energizing of the circuit to the system, the alarm may sound. This can be caused by high water level (water light will be on), if the power is left ON the level will return to normal within 30 minutes. The switch in the centre of the alarm plate should be kept in the NORMAL position unless the alarm is activated (light/s on), then the switch can be pushed to MUTE to stop the buzzing. Once the light/s have gone out, return the switch to NORMAL. (N.B light/s will only be on when a fault is indicated).

Should the light/s remain on please contact BioCycle Ltd on 0800 246 212.

LAYOUT FOR ALARM PLATE AND ELECTRICAL UNIT