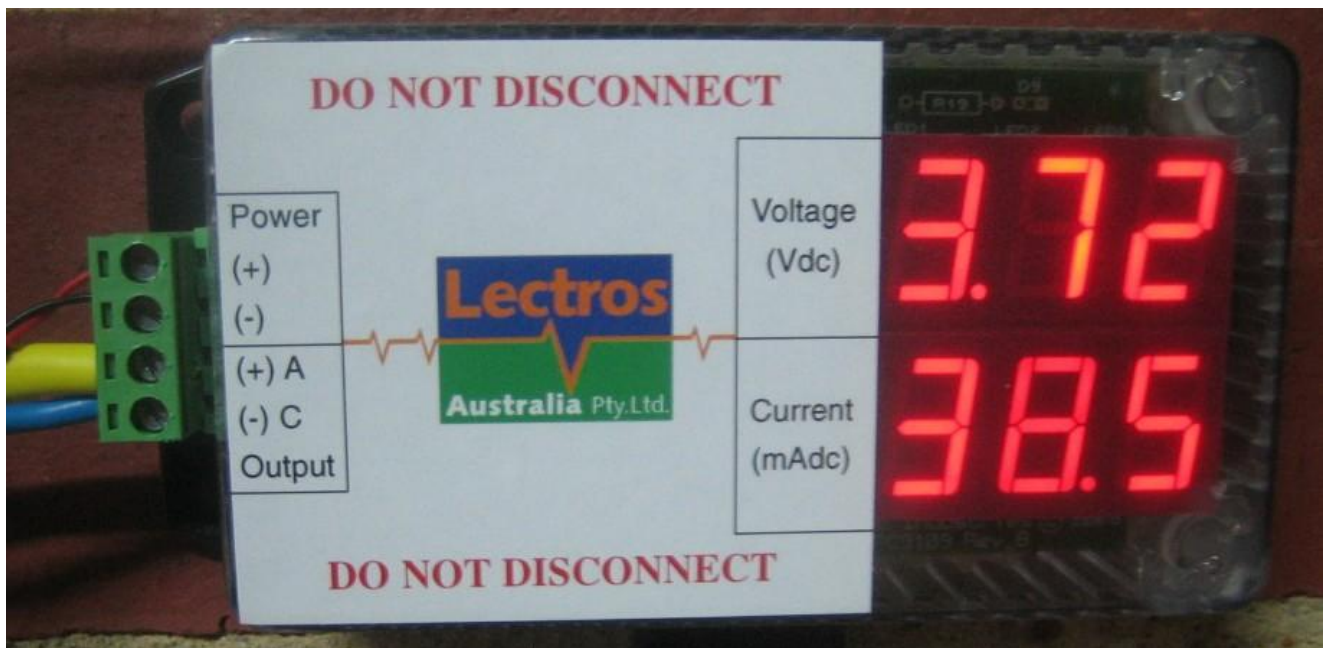




ABN 77 088 958 016

P.O. BOX 83, Chirnside Park, Vic., 3116.
2 Mayfair Court, Chirnside Park, Vic., 3116.
Tel. (03) 9727 5468 Fax. (03) 9726 4976 Mob. 0414 297 899

Lectros L.E.D. Power Control Unit - Series 4.



Plug Pack Connection Details.

Cut to Length, separate + ve and - ve wires, strip Insulation and connect bare ends to indicated Terminals.

Positive [+] is usually coloured **RED** or has a coloured stripe [Red or White]

Note:

A Black Stripe is **OFTEN** the Negative wire. If **NOT** certain, verify with a multi-meter or similar.

Anode - YELLOW
Cathode - BLUE

LECTROS L.E.D. Wall Voltage Controller.

1. On Power-UP, the Unit enters **SETUP-Mode** for approx **20 secs**.
In this mode -
TOP L.e.d's: **(FLASHING)**. Display the present - **Static Wall Charge (Voltage)**
(Note: You should expect to see *some* voltage, NOT **0.00V**)

BOTTOM L.e.d's: Display the Plug-pack Rectified DC Voltage.
Range should be approximately **12V - 18V.D.C.**
2. At the end of **SET-UP Mode**, the unit changes to **Source-Mode** where -
TOP L.e.d's: Display the present – **Source-Voltage** Applied to the Wall.
0.00 - 9.99V Resolution (Increment) is **0.04V**
BOTTOM L.e.d's: Display the present – **Source-Current** Applied to the Wall.
00.0 - 99.5mA, Resolution (Increment) is **0.5mA**
3. **EVERY 55secs the unit switches to Read OUT-Mode, where -**
TOP L.e.d's: Display the **LAST actual Static Wall Charge (Voltage)** reading.
N.B.: The **ACTUAL Static Wall Charge (Voltage)**, is Read **ONCE** every 24hrs, **Live-Read Mode**.
The process takes app **6 seconds** and the **TOP L.e.d's** will **Flash** to Indicate it is in Progress.
BOTTOM L.e.d's: Display the message **_rd**

Fault Conditions.

There are a few Fault Conditions that may be displayed at any time.

- A. Wall Source Current **Too-Low** or **Break** detected. **BOTTOM L.e.d's Flashing**.
If the Source current drops below **2.0mA**, the unit switches to a **20X** Higher Resolution mode of **0.025mA**. The L.e.d's will now display **0.1mA** increments. IF the current falls **below 0.1mA**, the display will show the message **opn**
- B. Wall Source Current **Too-High**. **BOTTOM L.e.d's Flashing**.
If the Source current exceeds **68.0mA**, the **BOTTOM L.e.d's** will **Flash**.
- C. Wall Source Voltage **SHORT** Detected.
If the Wall **Source** Voltage drops below **0.32V**, the **TOP L.e.d's** will **Flash**.

NOTES:

During ANY of the Fault conditions, the unit will **NOT** turn off or enter a Failsafe Mode.
Removing/Restoring AC Power (5secs), will Restart the unit in **SET-UP Mode**.

SPECIFICATIONS:

Source Voltage: 0.00 - 8.50V, (Maximum Open Circuit) (Read Range 8.4 – 8.6 V).
Source Current: 00.0 - 70.0mA, (Maximum Short Circuit) (Read Range 65 – 70mA).

Input Plug Pack Power Supply: Volts D.C. (Regulated) 15 – 20 Volts, 200mA minimum.
Volts A. C. (Un-Regulated) 12 Volts, 200mA minimum.

PLEASE NOTE.

The systems Voltage, Current and Static Wall Charge Voltage figures must be recorded on the top of the control unit to establish "Benchmark" data along with the commissioning date and the Installation Contractors Name and Contact Phone Number.