

## PLM Remote Monitor



## PLM Remote Monitor

### Specifications

Dimensions:

76 W x 116 H x 28 D mm

Current Draw:

Standby	1.9mA
With back lighting on	11.9mA
With audible alarm	5.8mA
Maximum	15.8mA

Mounting hole centres 84 mm  
Vertical on the centre line

Shipping weight 130 Grams

### Description

The **PLM remote monitor** is a device which allows remote user access to a **PL** series charge controller. It shows exactly the same information as the **PL** screen and the **PLM** button behaves in exactly the same way as the button on the **PL**. This means you can use the **PLM** for everything you would normally do at the **PL** itself, only in a more convenient or second location. You can access all the same information and adjust all the same settings as you can on the **PL** itself.

### New Features

There are two features in the **PLM** which are not found in the **PL**. These are LED Back-lighting, and an Alarm.

### LED Back-lighting

The LCD display is back lit with yellow LED light. The display will turn off if you have not pushed the button for 16 minutes, just like the **PL** display. The Back-lighting will turn off at the same time.

## Alarm

There is an alarm which is driven by the **alarm (ALRM)** function of the PL. This is a low voltage alarm. The alarm is capable of giving an audible alarm from the built in buzzer, or a visual alarm by flashing the back lighting, or both. The **PLM** is shipped with the audible alarm feature set OFF and the visual alarm feature set ON. If you want to change these settings, go to the DATA/SOLV screen. In this screen, there is an “A” which is normally used to show Amps in other screens. In this screen it shows “AUDIBLE”. There is also a “V” which normally shows voltage. Here it shows “VISUAL”. Use long pushes to switch between the four possibilities. You can have “A”, “V”, both, or neither.

Note, this “A” and “V” will not appear on the SOLV screen of the **PL** as the audible and visual alarm features only exist in the **PLM**. You can set the voltage for the alarm to operate at SET/MODE/ALRM if you are using PROG4. Otherwise the alarm voltage will default to 11.4V for a 12V system (scale for other system voltages).

## Installation

The **PLM** is packaged in a modified **2000 series switch plate**. This is a standard electrical fitting and is mounted in very much the same way as a typical light switch or power point. The screws supplied can be used to mount the **PLM** directly to timber or metal surfaces. **2000 series accessories** can be used to mount it to plasterboard, masonry, and other surfaces. Your electrician will be able to supply and fit these accessories. Connection to the **PL** is via a **WY** or **WZ** cable or a combination of both as appropriate. In general, use a **WY** for a **PL20** or **PL40** and a **WZ** for a **PL60**. You can order a **WZ** or **WY** made to the length you need. The **PLM** is connected via an RJ11 socket on the

hidden side. If you want to rough in the wiring in advance of the installation (for example while your walls are being built) use a four conductor flat telephone cable or another cable of a type you can crimp an **RJ11 plug** to. The **PLM** should be mounted vertically.

## Limitations-

The **PLM** can be used with up to 100 metres of cable, and up to two other PL accessories. For example you could use the **PLM** with 1 X **PLI** and 1 X **PLS2** or with 2 X **PLS2**, but not all three at the same time.