

OWNER'S MANUAL

JDISPLAY



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Manual Part #031594
Rev 1A

The BMPRO **JDisplay** is proudly Australian-made in Melbourne. Designed by Setec, one of Australia's leading power solutions experts, it represents a high quality product that will provide years of service.

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Disclaimer

Setec accepts no liability for any loss or damage, which may occur as a result of improper or unsafe use of its products. Warranty is only valid if the unit has not been modified or misused by the customer.

INTRODUCTION

JDisplay monitors and displays vital battery information such as volts and amps, charge/discharge status and details of the source input for your recreational vehicle 12V system.

JDisplay is permanently wired into the battery management system **J35** in the recreational vehicle and continuously monitors Battery information providing vital data at a glance using a clear back-lit display.

SAFETY PRECAUTIONS

Please read the Safety Precautions carefully before installing the unit.



CAUTION

Refer to the installation section before operating. Correct installation is the most critical factor in ensuring the safe use of the product.

As this unit is powered by a data cable it is critical that all connections and cables are in a good and working order and properly connected.

Do not allow water or other liquids to enter the installation area.

ABOUT JDISPLAY

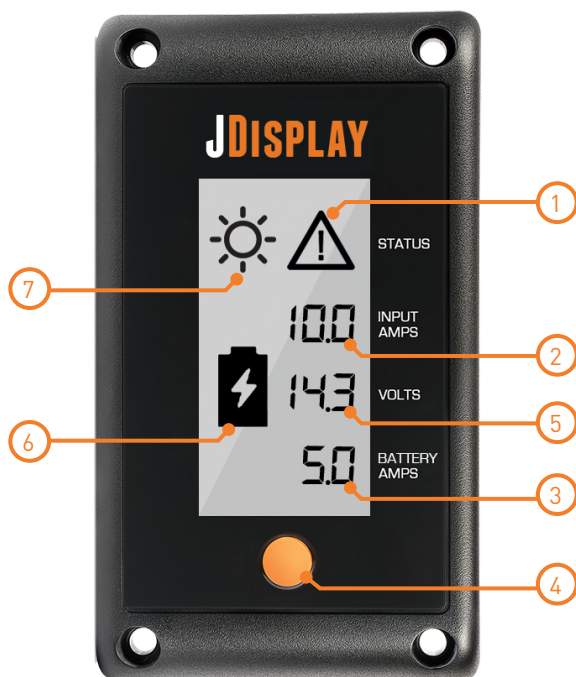
The **JDisplay** is a display unit that connects to battery management system **J35** and displays battery or system information. Its backlit LCD displays the following information:

- System Voltage
- Input Current and Battery Current
- Battery Status Indicator, indicating:
 - » Battery completely charged
 - » Battery not completely charged
 - » Battery charging
 - » Battery discharging
- Power Source Indicator – Mains, Solar or Car
- Warning Indicator

Features also include:

- Display backlight which turns on for 30 seconds using Backlight Button

NAME AND FUNCTION OF PARTS



- | | |
|----------------------|-----------------------------|
| 1. Warning Indicator | 5. System Voltage |
| 2. Input Current | 6. Battery Status Indicator |
| 3. Battery Current | 7. Power Source Indicator |
| 4. Backlight Button | |

OPERATION

JDisplay is designed to interface with **J35**. The functionality described below assumes **JDisplay** has been correctly connected to **J35**.

The **JDisplay** will turn off if battery voltage is too low.

DESCRIPTION OF DISPLAY ELEMENTS

Warning Indicator

The warning symbol will be displayed if one or more of the outputs on the **J35** are shorted or overloaded. To fix the issue check all wiring and appliances connected to the **J35** outputs. Remove any faults found.

The warning icon is as follows:



The Warning Icon

Input Current

This is the total current provided by the **J35** from any source to the appliances and the battery, shown in Amps. Example: if the battery is charging at 5 Amps and the appliances are consuming 10 Amps then the input current will display 15 Amps.

If no sources are available or no battery is installed this section is left blank.

Battery Current

This is the net current that is either going into or being drawn from the battery.

Backlight Button

A single press of this button will turn the backlight of the display on and will turn it off automatically in 30 seconds. Repeated single presses will toggle the backlight on and off.

System Voltage

This is the system voltage. If a battery is installed then this is the voltage across the battery terminals. If no battery is installed then this is the voltage generated by the **J35**.

Battery Status Indicator

JDisplay indicates 4 different battery statuses.



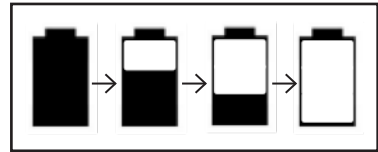
Battery present
& is 100%



Battery is present
& NOT 100%



Battery is charging.
The BOLT inside the
symbol will be flashing



Battery is discharging.
The animation shows the discharging action.

Power Source Indicator

The **JDisplay** indicates if various sources are available, the following are displayed



Only AC Mains
is available



Only Auxiliary Source
is available



Only Solar is
available



Solar and Auxiliary are
available at the same time

CONNECTORS


Running at the back of the unit, there is a data cable which is used to connect **JDisplay** to the **J35**.



SPECIFICATIONS

Input Voltage:	8 — 15 Vdc
Battery Drain:	< 22 mA (backlight off)
Ambient Temperature:	0°C – 50°C
Size:	W 140mm x H 80mm x D 15.5mm

AFTER-SALES SERVICE

 **WARNING**

DO NOT disassemble, modify, or repair the unit.

REPAIRS AND AFTER-SALES SERVICE

Consult your BMPRO by Setec dealer or visit teambmp.com

TROUBLESHOOTING

Observation The **JDisplay** LCD is blank.

Solution The **J35** will turn off the **JDisplay** if the battery voltage is too low or if the isolation switch on **J35** is shorted.

INSTALLATION INSTRUCTIONS

PERSONNEL

Installation is to be carried out only by suitably qualified personnel.

INSTALLATION ENVIRONMENT

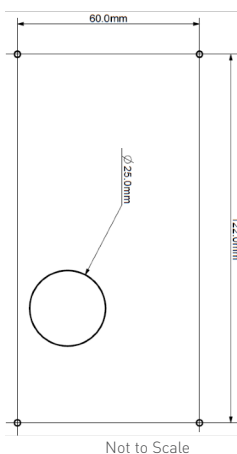
JDisplay should be installed indoors where it will not be subject to water or other liquid spills or splashes.

ITEMS REQUIRED FOR THIS INSTALLATION

1. The **JDisplay** Unit
2. The Data cable
3. 4 Mounting Screws
4. A 25mm hole saw
5. Power Drill
6. Philips Screw driver

INSTALLATION

First drill a minimum 25mm hole in the wall to fit the data cable to the **JDisplay**, as shown:



SETTING THE BATTERY CAPACITY

If a 100AH battery is installed proceed to "CONNECT THE DATA CABLE"

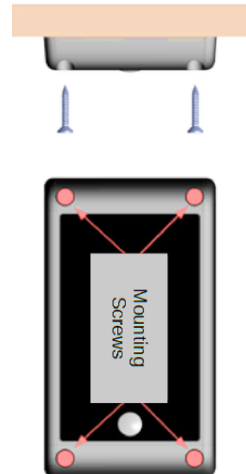
If a battery of more than 100AH is to be installed, a **JControl** is needed to set the battery capacity. Go to "SET THE BATTERY CAPACITY USING A **JControl**" first.



MOUNT THE JDISPLAY

Using screws provided, mount the **JDisplay**.
Pre-drill the holes if required.

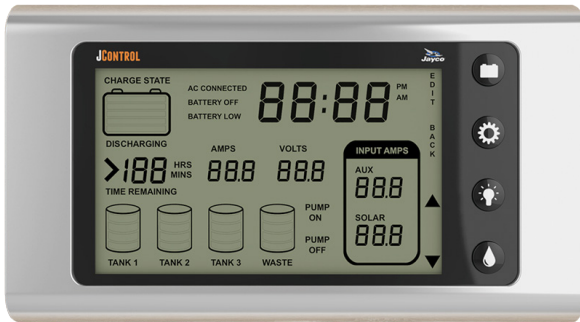
After fixing **JDisplay** to wall, remove clear protective plastic from front cover.



SET THE BATTERY CAPACITY USING JCONTROL

Follow these steps if you are installing a battery more than 100AH.

1. First obtain a **JControl** Unit (Version 2E or above). Speak to your distributor or a BMPRO team member.



2. Connect the **J35** to the battery
3. Then connect the **JControl** to the **J35** using the DATA Cable
4. Notice that the **JControl** will turn on
5. Next press and hold the "SETTINGS button" (gear icon) until the Setup is seen
6. Next press the "▲ UP button" (lightbulb icon) until the battery capacity is seen **BATCAP**
7. Next press the "EDIT button" (document icon) the capacity value will start to blink
8. Press the "▲ UP button" to set your desired battery capacity
9. Once done, press the "BACK button" (water drop icon) a few times to reach the Home screen
10. Finally disconnect the **JControl** and connect the **JDisplay** to the Data cable
11. Go to "CONNECT THE DATA CABLE"

WARRANTY TERMS AND CONDITIONS

Registering your BMPRO by Setec product is an important step to ensure that you receive all of the benefits you are entitled to. Please visit www.teambmpro.com to complete the online registration form for your new product today.

BMPRO by Setec goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for major failure and for compensation for any reasonably foreseeable loss or damage. You are entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits under this Warranty are in addition to your other rights and remedies under a law in relation to the goods to which this Warranty relates (the Australian Consumer Law).

Setec, as the manufacturer of BMPRO by Setec goods warrants products against defects for a period of two years, commencing from the original date of purchase. Proof of purchase is required before you can make a claim under this warranty.

HOW TO PROTECT YOUR RIGHTS UNDER THIS WARRANTY: The **JDisplay** is designed to be installed by a suitably qualified installer. You or your installer should carefully inspect the products before installation for any visible manufacturing defects. We accept no responsibility in addition to our consumer guarantee obligations where a product has been installed incorrectly.

This warranty does not extend to product failures or defects caused by, or associated with, but not limited to; failure to install or maintain correctly, unsuitable physical or operating environment, accident, acts of God, hazard, misuse, unauthorised repair, modification or alteration, natural disaster, corrosive environment, insect or vermin infestation and failure to comply with any additional instructions supplied with the product.

Setec may seek reimbursement of any costs incurred by Setec when a product is found to be in proper working order or damaged as a result of any of the warranty exclusions mentioned above.

To enquire or make a claim under this warranty, please follow these steps:

- a. Prior to returning a BMPRO by Setec product, please email warranty@teambmpro.com to obtain a Return Material Authorisation (RMA) number
- b. Package and send the product to: BMPRO by Setec Warranty Department, 19 Henderson Road, Knoxfield, VIC 3180.
Please mark RMA details on the outside of the packaging
- c. Please ensure the package also includes: a copy of the proof of purchase, a detailed description of the fault and your contact details including phone number and return address

Setec will not be liable for any costs, charges or expenses incurred in the process of returning a product in order to initiate a warranty claim



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