

PMD-BT3C

INSTRUCTION MANUAL



IMPORTANT SAFETY INFORMATION

Please read this manual thoroughly before use and store in a safe place for future reference.

WARNINGS

- Explosive gases. Prevent flames and sparks. Provide adequate ventilation during charging
- Before charging, read the instructions
- For indoor use. **Do not** expose to rain
- For charging Lead Acid and LiFePO₄ batteries **only** (of the size & voltage specified in the specifications table)
- Always charge the battery on the correct voltage setting. Never set the charger to a higher voltage than the battery specifications state
- Disconnect the 240V mains supply before making or breaking the connections to the battery
- The battery charger must be plugged into an earthed socket outlet
- Connection to supply mains is to be in accordance with national wiring rules
- Do not attempt to charge non-rechargeable batteries
- Never charge a frozen battery
- If the AC cord is damaged, do not attempt to use. It must be replaced or repaired by a qualified technician
- Corrosive substances may escape from the battery during charging and damage delicate surfaces. Store and charge in a suitable area
- Where possible, ensure all vehicle accessories including lights, heaters, appliances etc. are turned off prior to charging
- This charger is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety
- Children being supervised not to play with the appliance
- If the recreational vehicle is to be put into storage without power, please turn off the BATTERY MASTER SWITCH. If the recreational vehicle is to be put in to long term storage without power, disconnect ALL cabling from the battery

CONTENTS

- 1 Product Instructions 4**
 - 1.1 Overview 4
 - 1.2 Features 4
- 2 Display 5**
 - 2.1 System Configuration – Power Module 6
 - 2.2 System Configuration – Sensor 6
- 3 Structure and Installation 7**
- 4 Specifications 7**

1 Product Instructions

1.1 Overview

The PMD-BT3C is a versatile 3" colour monitor designed to provide comprehensive control and monitoring capabilities for users of PROJECTA Power Management Systems. With its intuitive interface, users can effortlessly keep track of battery status, monitor charging inputs and power consumption, and check water tank levels. The integration of smart sensors allows for the monitoring of levelling, tyre pressure, and gas levels, ensuring a safe and efficient operation of the system. Additionally, the PMD-BT3C enables users to manage caravan loads, pumps, and power. This monitor is compatible with PROJECTA's new range of Power Management systems, including the PM235C, PM335C, and PM435C, making it a flexible solution for various setups and requirements.

1.2 Features

- Built-in Bluetooth for APP connectivity
- Real Time System Monitoring
- Expansive System Configuration
- CAN-Bus Communication for easy expandability



2 Display



No.	Description		Status
1	Water Level		0% – 25% – 50% – 75% – 100%
	Fresh 1	Empty	Flashing – The water level is less than the recommended level
	Fresh 2		
	Tap		
	Waste	Full	Flashing – The water level is more than the alarm level
2	Charge Source		
	Solar/ALT/AC		Power Source disconnected
	Solar/ALT/AC		Power Source connected
3	Alarm		No Alarm
			Alarm – refer to alarms page
4	Bottom Buttons	PUMP 1	Long Press: Turn ON/OFF PUMP 1 Short Press: Cancel
		PUMP 2	Long Press: Turn ON/OFF PUMP 2 Short Press: UP
		Night	Long Press: Turn ON/OFF Night Mode Short Press: Down
		DIM	Long Press: Dim screen Short Press: Confirm
5	Side Buttons	Power	Isolate the battery. (The display must be wired to the PM235C/PM335C/PM435C remote switch terminals).
		Load	Turn on/off Loads

2.1 System Configuration – Power Module

The Power Module feature is designed to enable automatically, when a compatible PROJECTA component is connected, ensuring seamless integration with the system. When removing the module from the system, this feature won't disable by itself. To prevent the system from displaying a loss of communication alarm, the user needs to manually disable the feature through the settings.

*All the settings are available in the "INTELLI-RV GEN II" APP.

Setting item	ITEMS	DESCRIPTION
PROJECTA PMSHUNT	Calibration	Set the SOC to 100% directly
	Reset	Reset SOC based on current battery voltage
PROJECTA LB-HD	Qty	Set the quantity of the LB-HD Batteries (1~4)
PROJECTA DC-DC Charger	Charging current	Set the charging current of PMDCS series * Current options are model-dependent
	Charging Mode	VSR: Connect the PMDCS output to PM unit
		PMSHUNT/LB-HD: Connect the PMDCS output to Battery
	Fridge Load	Only When charging: Fridge Load only available when Alternator active Constant ON: Fridge Load available all the time
PROJECTA Solar Charger	Charging Current	Set the charging current of PMDCS series * Current options are model-dependent
	Connection Mode	Always ON: SC be powered on as long as Service available Low Power Mode: SC be powered ON when Solar input available

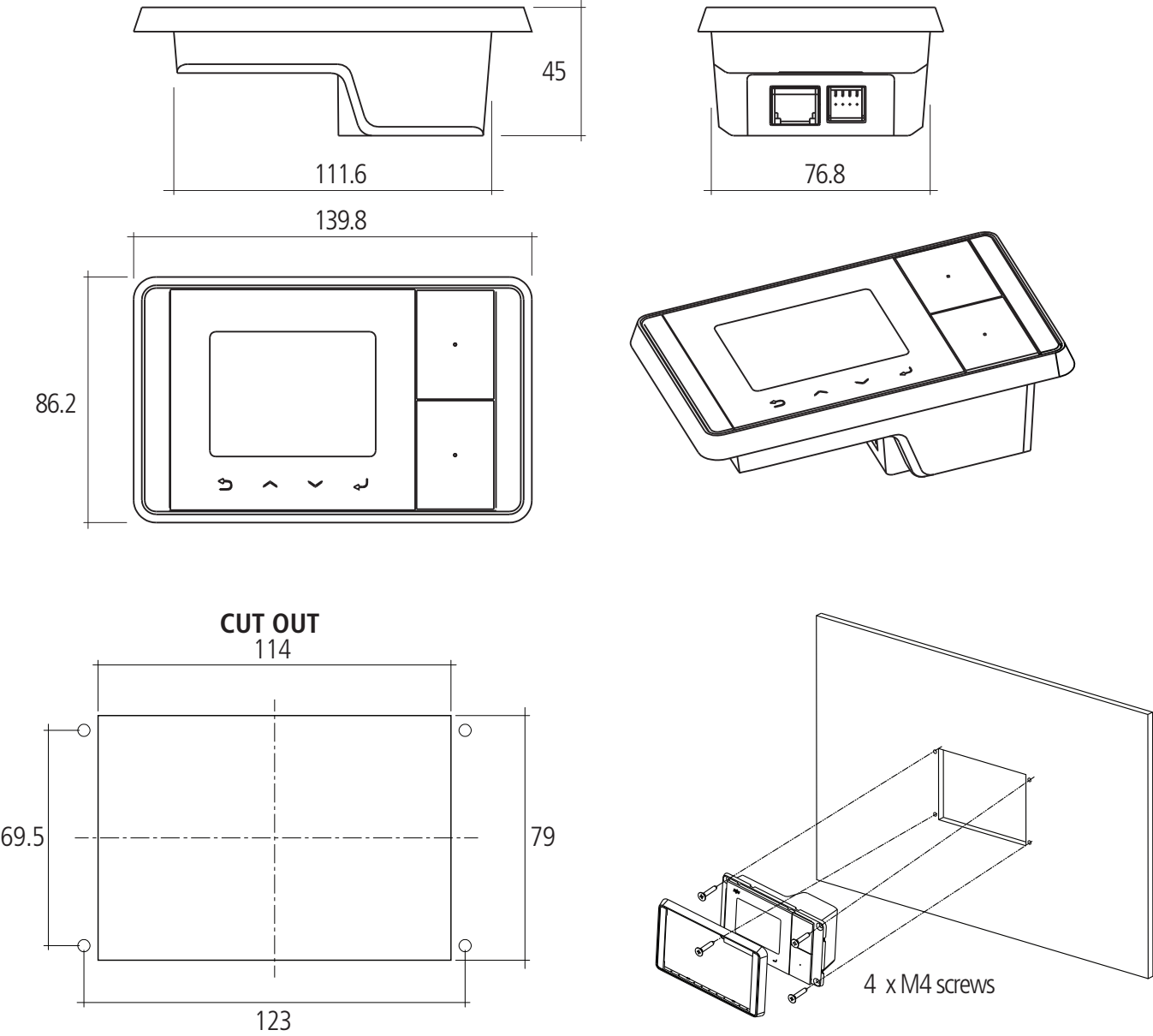
2.2 System Configuration – Sensor

The PMD-BT3C gives users visibility of the systems tyre pressure monitoring, levelling and gas gauge sensors (if connected). The relevant sensor needs to be enabled on the sensor page.

*All the settings are available in the GEN2 INTELLI-RV APP

Setting item	Items	Description
TPMS	Settings	Enter the TPMS setting page to configure the TPMS module
Level	Calibration	Set the Leveling module to 0 reference as current position
Gas Gauge	Settings	Enter the Gas setting page to pair the Gas

3 Structure and Installation



4 Specifications

Model	PMD-BT3C
Input	12Vd.c
Current	200mA
Temperature	-20~+60°C
PHYSICAL SPECIFICATION	
Dimension	139.8mm*86.2mm*45mm
Weight	180g
Protection Category	IP20
APPROVALS	
EMC	N 55032:2015 IEC61000-3-2 EN 55035

WARRANTY STATEMENT

Applicable only to product sold in Australia

Brown & Watson International Pty Ltd of 1500 Ferntree Gully Road, Knoxfield, Vic., telephone (03) 9730 6000, fax (03) 9730 6050, warrants that all products described in its current catalogue (save and except for all bulbs and lenses whether made of glass or some other substance) will under normal use and service be free of failures in material and workmanship for a period of five (5) year (unless this period has been extended as indicated elsewhere) from the date of the original purchase by the consumer as marked on the invoice. This warranty does not cover ordinary wear and tear, abuse, alteration of products or damage caused by the consumer.

To make a warranty claim the consumer must deliver the product at their cost to the original place of purchase or to any other place which may be nominated by either BWI or the retailer from where the product was bought in order that a warranty assessment may be performed. The consumer must also deliver the original invoice evidencing the date and place of purchase together with an explanation in writing as to the nature of the claim.

In the event that the claim is determined to be for a minor failure of the product then BWI reserves the right to repair or replace it at its discretion. In the event that a major failure is determined the consumer will be entitled to a replacement or a refund as well as compensation for any other reasonably foreseeable loss or damage. This warranty is in addition to any other rights or remedies that the consumer may have under State or Federal legislation.

IMPORTANT NOTE

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also 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.

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IS633

Issue 1 5/9/24