



## Specifications PRXMG5050+-V74

The PRXMG5050+-V74 is a Magellan 32-Zone Wireless Transceiver Control Panel.

Features:

- 2 serial outputs master/slave
- M2 two-way FSK hardware ready
- 8 on-board zones (16 with ATZ)
- Built-in transceiver (433 MHz)
- Expandable to 32 zones, 2 partitions, 32 users and 32 remotes
- 4-wire communication bus (connect up to 15 modules)
- Supports IP and cellular IP reporting
- Supports 16 PGMs (any of which can be wireless)
- App-based system control via BlueEye
- In-field firmware upgrade via 307USB And BabyWare remote or local
- Menu-driven programming for the Installer, Master and Maintenance codes
- Multiple telephone numbers for event reporting: 3 monitoring and 5 for Personal Dialing
- Calendar with Daylight savings Time
- StayD Mode
- Sleep arming method
- RF Jamming Supervision
- 512 events buffered.

P ▲ R ▲ D O X™



## Specifications PRX278000033-P2C

The PRX278000033-P2C is a metal box enclosure for provision multiple module and panel mounting.

Features:

- Many punch-out holes for simple wiring
- Easy door removal
- Sizes: 28cm X 28cm X 7.6cm (11" x11" x 3")

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### **Specifications PRXK-TK278**

The PRXK-TK278 is a BOM Kit for 1x tamper switch PRX2502302000-P2C and 1x tamper bracket PRX2781030000-P2C to suit with Paradox Metal Box Enclosure PRX2780000033-P2C; to protect against tampering (opening door or removal from wall).

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# SP5500+ / SP6000+ / SP7000+ User Guide

4 to 32-Zone Expandable Security Systems



P ▲ R ▲ D O X™

### Description

The Paradox PMD2P is an analog single-optic PIR motion detector with built-in pet immunity for use with Magellan wireless receivers/transceivers. The PMD2P is immune to animals weighing up to 18kg (40 pounds), and features automatic temperature compensation.

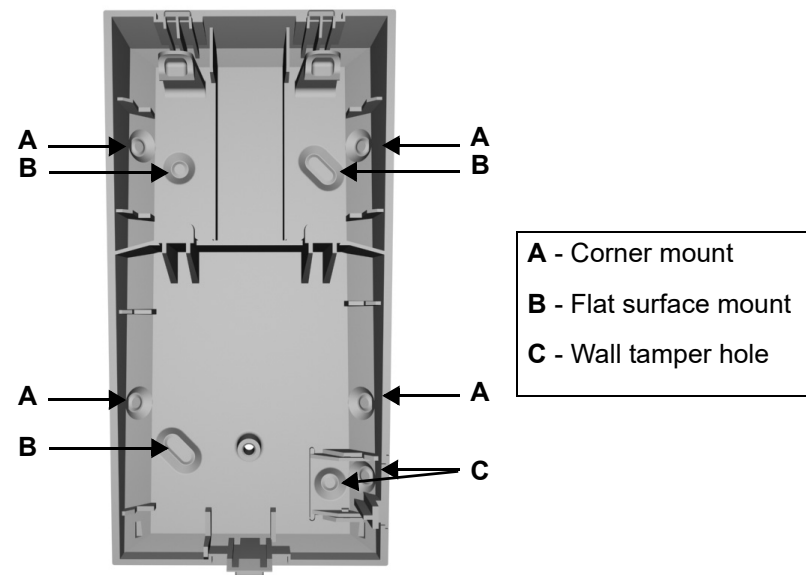
The PMD2P is battery-powered and features an innovative three minute energy save mode (after two detections within a five-minute period). Also, the ALIVE software in the PMD2P ensures that the alarm LED continues to display when it is in energy save mode without compromising battery life.



### Installation

At the installation height of 2.1m (7ft) ±10%, the PMD2P provides full coverage from 1.2m (3.9 ft) to 11m (36 ft). Mounting lower than recommended height will decrease the long range performance; higher will decrease short range performance. Do not obscure the detector, partially nor fully.

**IMPORTANT:** Do not touch the sensor as this could result in malfunction. Clean the sensor surface using a soft cloth with pure alcohol. Also, avoid bending, cutting, or altering the antenna or mounting the detector near metal as this may affect transmission.



### Dual Tamper Mechanism - Wall and Cover

The PMD2P is equipped with dual tamper protection; an alarm is generated if the front cover is removed or if the detector is removed from the wall. In order for the wall tamper removal feature to be functional, a screw needs to be inserted in the wall tamper hole (see PCB Overview at right).

### Powering the Wireless Detector

Verifying proper polarity, insert three “AAA” alkaline batteries into the motion detector’s battery compartment. To replace the batteries, remove the old batteries, then press and release the tamper switch and wait 60 seconds in order to re-initialize the unit. After initialization is complete, insert batteries while verifying proper polarity (verify proper polarity on battery compartment connector as well). **IMPORTANT:** Make sure that when reinstalling the battery compartment that the batteries are facing the back-plate.

### Power-up Sequence

After inserting the batteries, a power-up sequence begins (lasting 10-20 seconds). During this time, the red LED flashes and the detector will not detect an open zone or tamper.

### Signal Strength Test

In order to verify proper signal reception, perform a signal strength test as described in the receiver’s Reference and Installation Manual. Prior to performing the test, ensure the batteries have been installed. Also verify that the motion detector has been assigned to a zone according to the instructions in the receiver’s Reference and Installation Manual. If the transmission is weak, relocating the transmitter by a few inches can greatly improve the reception.

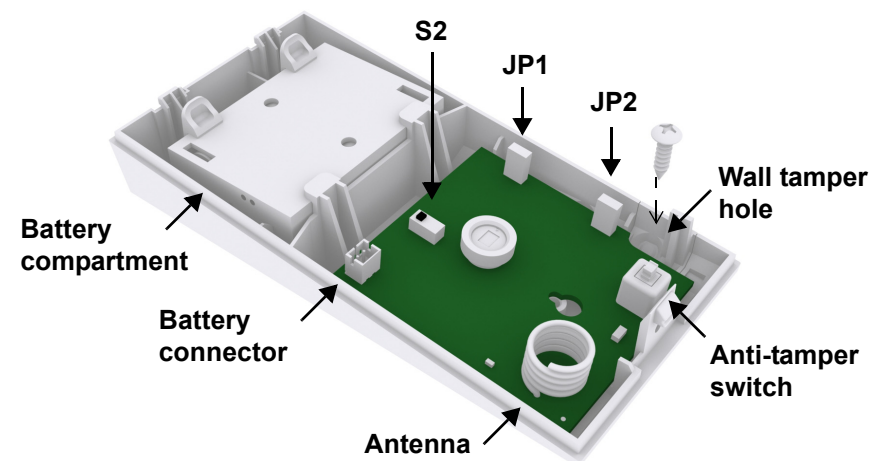
### Detector Settings - Quick View

Sensitivity	
S2 (Slider)	High = High sensitivity ( <b>default</b> )
	Low = Low sensitivity
Fast/Slow Mode	
JP1 (Jumper)	Off = Slow mode
	On = Fast mode ( <b>default</b> )
LED Feedback	
JP2 (Jumper)	Off = Disabled
	On = Enabled ( <b>default</b> )

### Detector Settings - Details

Sensitivity - S2 (Slider)	
High Sensitivity	In high sensitivity mode, you should not be able to cross more than one complete zone (consisting of two beams - left and right sensor elements) in the coverage area with any kind of movement. Use this setting for the majority of installations.
Low Sensitivity	In low sensitivity mode, the amount of movement required to generate an alarm is doubled. The use of low sensitivity mode is recommended in areas where the incidence of false alarms may be greater.
Fast/Slow Mode - JP1 (Jumper)	
Slow Mode	Recommended in areas where the incidence of false alarms may be greater.
Fast Mode	Recommended for the majority of installations.
LED Feedback - JP2 (Jumper)	
Alarm	The red LED will illuminate for a period of 3 seconds whenever the motion detector detects any kind of movement.
Low Battery	The PMD2P performs a battery test every 12 hours. If battery voltage drops below a certain level, the red LED flashes at 8 second intervals and the motion detector will send a low battery signal to the receiver. A trouble is generated and then transmitted to the central monitoring station.
Signal Transmission	The red LED blinks fast when transmitting.

### PCB Overview



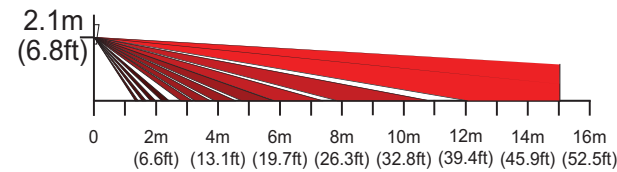
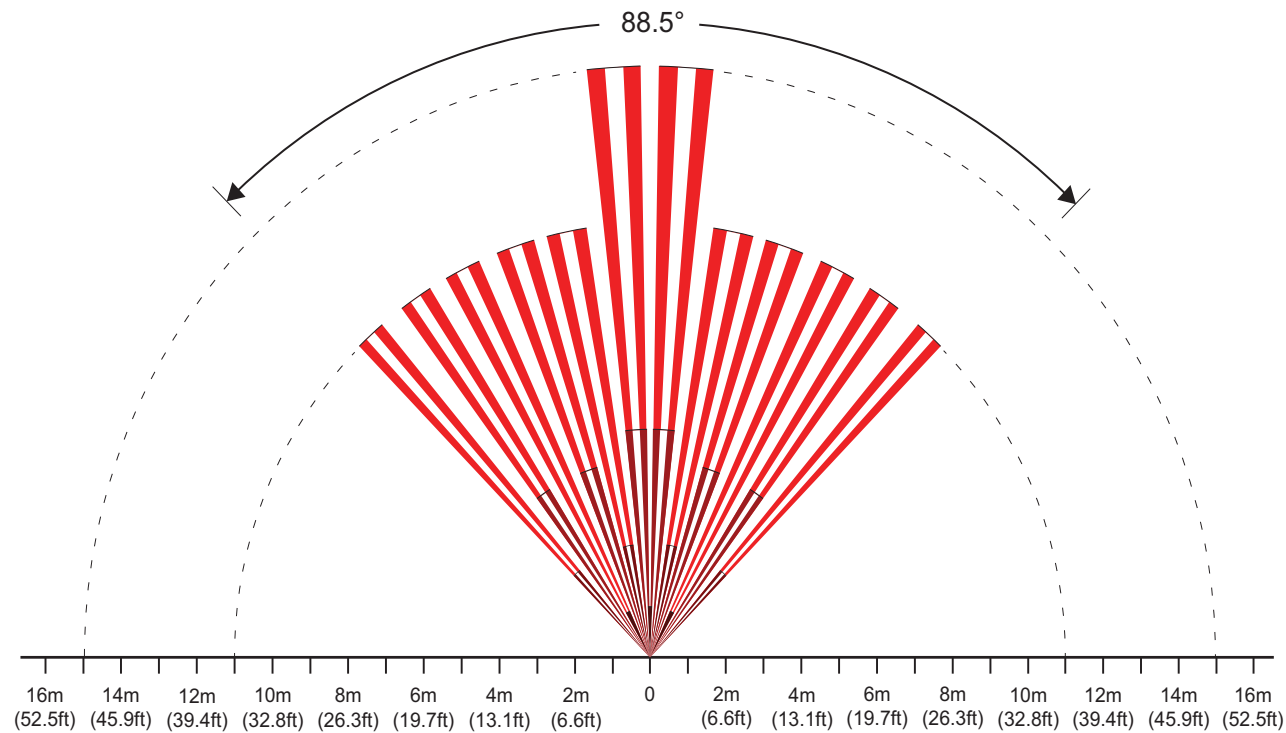
## Alive Software

To conserve the motion detector's battery life, if the motion detector transmits two open zone signals (LED on for 3s) within a five-minute period, the detector will fall into Energy Save Mode for approximately three minutes and will not transmit any alarm signals. The red LED will continue to flash to indicate a detection. If the detector's cover is removed and then replaced while in Energy Save Mode, the first detection will trigger an alarm signal.

## Walk-testing

To activate Walk-test Mode for three minutes, power up the detector or open and close the detector's cover. With sensitivity set to High (S2 = High), at 20°C, crossing more than one complete zone (consisting of two beams left and right sensor detecting elements) with slow/fast walking or running should initiate an alarm. With sensitivity set to Low (S2= Low), the amount of movement required to generate an alarm is doubled.

## Beam Pattern



## Specifications

Sensor Type	Dual rectangular element
Coverage	88.5° - 11m (36ft) x 11m (36ft); Center beams: 15m (49ft)
Pet Immunity	18kg (40lbs)
RF Frequency	433 or 868 MHz with Magellan only
Lens	2nd generation Fresnel lens, LODIFF® segments
Walk Speed	0.2m to 3.5m/s (0.6ft to 11.5ft/s)
Battery Type & Life	3 x 1.5vDC "AAA" alkaline batteries; 2 years*
Current Rating	31uA standby / 15mA alarm
Transmitter Range	35m (115ft) with MG6130 / MG6160 70m (230ft) with MG5000 / MG5050 / RTX3; in a typical residential environment
Operating Temp. & Humidity	0°C to 50°C (32°F to 122°F) / 5 to 90% max.
Functional Temp. & Humidity	0°C to 35°C (32°F to 95°F) recommended / 5 to 90% max.
Dimensions & Weight	6.5 x 12.5 x 5.2cm (2.5 x 4.9 x 2.0 in) / 105 g (3.7 oz) with batteries
RF Immunity	EN 50130-4: 10V/m 80MHz to 2.7GHz
Compatibility	See paradox.com for compatibility details
Certification	EN 50131 Grade 2 Class II; Certification body Intertek
* Battery life expectancy will vary according to the amount of traffic (movement) detected. Higher traffic levels will lower battery life.	

## Warranty

For complete warranty information on this product, please refer to the Limited Warranty Statement which can be found on our website: [paradox.com/terms](http://paradox.com/terms) or contact your local distributor. Specifications may change without prior notice.

## Patents

US, Canadian and international patents may apply. Paradox is a trademark or registered trademark of Paradox Security Systems (Bahamas) Ltd.



# SR230

## Outdoor Wireless Siren with Built-in Strobe Light

### Installation Manual



## Introduction

The SR230 is a stand-alone, fully supervised outdoor wireless siren with built-in strobe light and wireless transceiver. The SR230 uses 2-way wireless communication, which provides continuous supervision between the panel and siren with fast response to alarm signals within four seconds. With normal use, the SR230 will function up to three years without the need to replace the batteries. The SR230 operates using three 1.5 VDC size “C” alkaline batteries. This guide describes how to install and configure the SR230 wireless siren.

## Overview

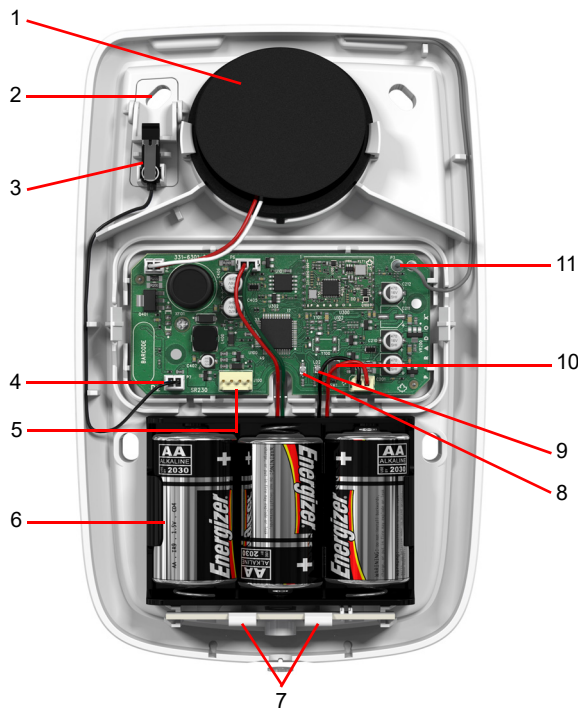


Figure 1:SR230 PCB View

Number	Description
1	Siren (100 dB or more)
2	Tamper spacer
3	Wall Tamper switch and Cover Tamper switch
4	Tamper switch connector
5	Infield connector
6	Battery pack
7	Strobe lights
8	Status LED
9	Signal Strength / RF transmission LED
10	Learn switch
11	Antenna

## Installation

Only qualified persons should install, operate, maintain, and repair this equipment.

1. Write down the serial number (on the back of the unit) and location of the SR230 for later reference, to insert into the Paradox BabyWare software.
2. Remove the top cover from the siren.
  - a. Open the lock at the bottom of the siren with a screwdriver.
  - b. Pry the cover apart from the back plate starting from the bottom.

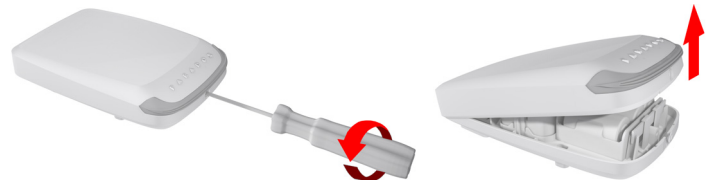


Figure 2: Removing the Top Cover

3. Screw the SR230 siren onto the wall through the four provided holes.
4. Screw the Tamper.
 

**IMPORTANT: Ensure that the Tamper switch is screwed onto the wall through the Tamper Spacer.**
5. Batteries:
  - a. If the siren already has batteries installed:
    - Remove the plastic tab between the top battery terminals and the battery compartment
    - Leave the cover off until you learn the siren
  - b. If the siren does not have batteries installed:
    - Insert the batteries; ensure correct polarity
    - Leave the cover off until you learn the siren

**Note:** We recommend replacing the batteries every three years to avoid leakage.
6. Reinstall the top cover and lock.

## LED Feedback

LED	Description
<b>Signal strength/ RF transmission LED</b>	Red blinking: sending data Green blinking: receiving data Amber flash 4x: strong signal Amber flash 3x: good signal Amber flash 2x: weak signal Amber flash 1x: very weak signal (relocate) No flash: no signal
<b>Status LED</b>	Red steady on: powered/normal operation Red slow blink: low battery

## Programming

Program the SR230 either through a supported keypad or through the BabyWare software.

**Note:** Refer to the MG/SP, EVO192 or EVOHD Programming Guide for more details on how to program SR230 wireless sirens.

### Programming with a Keypad

LED	Program	
	MG/SP	EVO192/HD (requires RTX3)
	Sections correspond to sirens 1-4.	Sections correspond to sirens 1-8.
Learn Siren	[683] - [686]	[2851] - [2858]
	Press and hold the <b>Learn</b> switch for 3 seconds after entering the section to learn the siren. <b>WARNING:</b> When pressing the Learn switch, the SR230 squawks and the strobe light flashes five times to confirm siren registration to the panel.	
Assign Partition to Siren	-	[2861] - [2868]
Display Signal Strength	[687] - [690]	[2871] - [2878]
	Press and hold the <b>Learn</b> switch for 3 seconds after entering the section to display the siren signal strength that the panel receives. Requires keypad K32LCD V1.3 or higher.	
Label Siren	[691] - [694]	-
	Labels identify sirens when reporting events for MG/SP only: via e-mail through the IP Module. Maximum 16 characters.	
Temporary Tamper Switch Deactivation for Maintenance	[695]	[2870]
	Press [ENTER] after entering the section to deactivate tamper alarm until the cover is reinstalled or after 30 minutes.	
Panel Supervision of Siren	[587]	-
	<b>ON: Enabled (default)</b> <b>OFF: Disabled</b>	
	The control panel supervises the presence of the SR230. If lost, the control panel follows global supervision options set in the control panel.	

### Programming with BabyWare

1. Open BabyWare > Connect your Account.
2. In the Main window: Select the **Add Item** button > **Wireless Sirens**.
3. Fill-in the SR230 label, location and serial number.
4. Select **Save**.

## Upgrading Firmware

Upgrade SR230 firmware through the Paradox InField software (V5.5.9 or higher) using the 307 USB Direct Connect Interface. The SR230 requires the batteries installed in order to upgrade the firmware.

**Note:** Ensure that the SR230 is awake before beginning the firmware upgrade. To wake-up the siren, press the learn switch (see #10 in Figure 1). The siren provides you a 60 second delay in order to begin the update.

1. Remove the front cover (see Figure 2).
2. Connect the 307 USB to the InField connector
3. Upgrade according to the firmware upgrade instructions: Go to [www.paradox.com](http://www.paradox.com) > Software > InField Firmware Upgrade Instructions.

## Tamper Supervision

If a tamper is detected, the SR230 sounds an alarm and the strobe light flashes for 4 minutes. The control panel follows the global supervision options set in the panel.

## Compatibility

The following Paradox products are compatible with the SR230.

- EVOHD v1.20 or higher
- EVO192 v3.20 or higher
- MG/SP series v4.0 or higher (except SP4000)
- RTX3: SP Series v1.5 or higher; EVO Series RTX3 v5.30 or higher
- BabyWare v5.4.14 (v2.30 for EVO) or higher
- TM50/TM70 v1.0 or higher
- K32+ v1.0 or higher
- K32LCD v1.3 or higher
- K32LCD+ v1.0 or higher
- K32LX v1.0 or higher
- InField Upgrade software v5.5.9 or higher

## Specifications

Specification	Description
Power Supply	3x 1.5 VDC "C" alkaline batteries.
Battery life	Up to 3 years based on normal use (e.g., 2 alarms per year with strobe for 2.5 hours and 8 squawks per day at an average of 25°C (77°F) with default alarm time set to 4 minutes. If the alarm is set for more than 4 minutes, the battery life may be reduced).
Current Consumption	Standby: 5.75 µA, Maximum: 450 mA
Low Battery Voltage Signal	Signal sent at 3.3 VDC
RF frequency	433 MHz (approved for FCC and IC) or 868 MHz
RF range	Up to 70m (230 ft)
Siren	100 dBA or more (1 meter) Acoustic output type: Tone <i>For EN, maximum sound duration should be set to 4 minutes</i>
Siren Type	Type W
Operating Temperature	-25°C to 55°C (-13°F to 131°F)
Humidity Range	5% to 90%
Dimensions	13.43 x 21.17 x 5.1 cm (5.29 x 8.34 x 2.01 in)
Weight	365g /12.87 oz., 567g/20 oz. with batteries
Certifications	EN 50131-4, EN 50131-1 Grade 2, EN 50130-5 Environmental Class IV, CE IP Rating: IP54 Certification Body: Applica Test and Certification

### FCC and Industry Canada Compliance Statement

This device complies with FCC Rules Part 15 and with Industry Canada license exempt RSS standard(s). Operation is subject to two conditions:

1. This device may not cause harmful interference
  2. This device must accept any interference that may be received or that may cause undesired operation.
- Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1. l'appareil ne doit pas produire de brouillage, et
  2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC ID: KDYSR230

IC: 2438A-SR230

### FCC WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and the receiver.
  - Connect the equipment into an outlet different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Paradox Security Systems Ltd.) could void the user's authority to operate the equipment.

### Warranty

For complete warranty information on this product please refer to the Limited Warranty Statement found on [www.paradox.com/terms](http://www.paradox.com/terms). Your use of the Paradox product signifies your acceptance of all warranty terms and conditions.

### Patents

US, Canadian and international patents may apply. Paradox is a trademark or registered trademark of Paradox Security Systems (Bahamas) Ltd. © 2021 Paradox Security Systems Ltd.





# VRLA 12V7AH

# SA12V7

## Specifications

Nominal Voltage	12 V	
Nominal Capacity 20HR	7.0 AH	
Dimensions	Length	151±1mm (5.94 inches)
	Width	65±1mm (2.56 inches)
	Container Height	95±1mm (3.74 inches)
	Total Height (with terminal)	100±1mm (3.94 inches)
Approx Weight	Approx 2.10 kg (4.63 lbs)	
Terminal	F1	
Container Material	ABS Plastic	
Lead Material	Purity Lead 99.995%	
Sulfuric Acid	Distilled Sulfuric Acid (Zero metal content)	
Separator	AGM	
Rated Capacity	7.00 AH/0.350A	(20hr, 1.80V/cell, 25°C/77°F)
	6.53 AH/0.653A	(10hr, 1.80V/cell, 25°C/77°F)
	6.00 AH/1.20A	(5hr, 1.75V/cell, 25°C/77°F)
	5.37 AH/1.79A	(3hr, 1.75V/cell, 25°C/77°F)
	4.55 AH/4.55A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	105A (5s)	
Internal Resistance	Approx 23mΩ	
Operating Temp.Range	Discharge	: -15 - 50°C (5 - 122°F)
	Charge	: 0 - 40°C (32 - 104°F)
	Storage	: -15 - 40°C (5 - 104°F)
Nominal Operating Temp.Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 2.1A. Voltage 14.4V - 14.7V at 25°C (77°F) Temp.Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13.5V - 13.8V at 25°C (77°F) Temp.Coefficient -20 mV/°C	
Capacity affected by Temperature	40°C (104°F) 103% 25°C (77°F) 100% 0°C (32°F) 86%	
Self Discharge	Sentry AGM series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



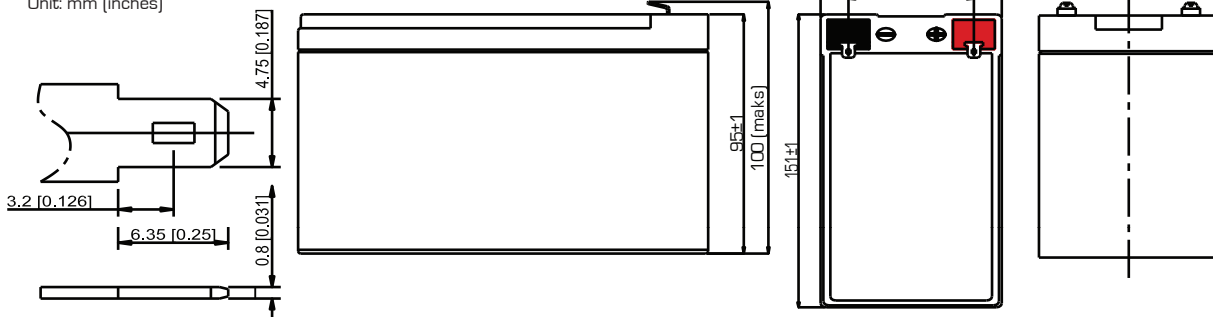
## Applications

- All purpose
- Standby Applications
- Recreation Vehicles
- Uninterruptible Power Supply (UPS)
- Electric Power System (EPS)
- Fire & Security
- Generators
- Medical Equipment

## Dimensions

### F1 Terminal

Unit: mm (inches)



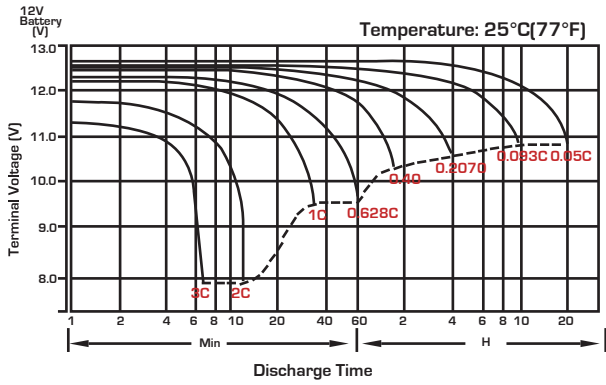
### Constant Current Discharge (Amperes) at 25°C (77°F)

F.V./Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	18.0	12.8	10.48	8.79	6.53	4.79	3.86	2.29	1.69	1.36	1.14	0.98	0.774	0.640	0.345
1.80V/cell	21.4	14.3	11.4	9.44	6.94	5.05	4.03	2.38	1.74	1.40	1.17	1.01	0.791	0.653	0.350
1.75V/cell	24.2	15.6	12.2	10.0	7.29	5.27	4.18	2.45	1.79	1.43	1.20	1.03	0.805	0.663	0.357
1.70V/cell	26.7	16.7	12.9	10.5	7.59	5.46	4.32	2.51	1.83	1.46	1.22	1.05	0.817	0.672	0.361
1.65V/cell	28.8	17.7	13.5	10.9	7.86	5.62	4.46	2.57	1.86	1.48	1.23	1.06	0.826	0.680	0.365
1.60V/cell	30.6	18.6	14.1	11.3	8.09	5.76	4.55	2.61	1.89	1.50	1.25	1.07	0.834	0.685	0.367

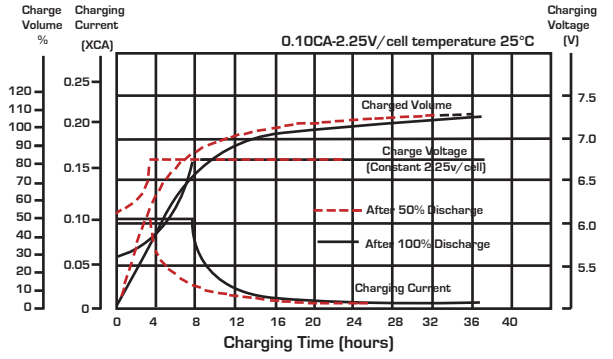
### Constant Power Discharge (Watts/Cell) at 25°C (77°F)

F.V./Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	34.2	24.5	20.2	17.1	12.8	9.44	7.64	4.56	3.37	2.72	2.29	1.99	1.565	1.296	0.701
1.80V/cell	40.2	27.2	21.9	18.3	13.5	9.91	7.96	4.72	3.47	2.79	2.34	2.03	1.593	1.318	0.708
1.75V/cell	45.1	29.5	23.3	19.3	14.2	10.3	8.23	4.85	3.55	2.85	2.39	2.06	1.616	1.344	0.719
1.70V/cell	49.2	31.3	24.5	20.1	14.7	10.6	8.48	4.96	3.62	2.89	2.42	2.09	1.633	1.347	0.725
1.65V/cell	52.6	32.9	25.5	20.8	15.2	10.9	8.73	5.05	3.68	2.93	2.45	2.11	1.649	1.359	0.731
1.60V/cell	55.5	34.3	26.3	21.5	15.5	11.2	8.88	5.12	3.72	2.96	2.47	2.13	1.660	1.367	0.734

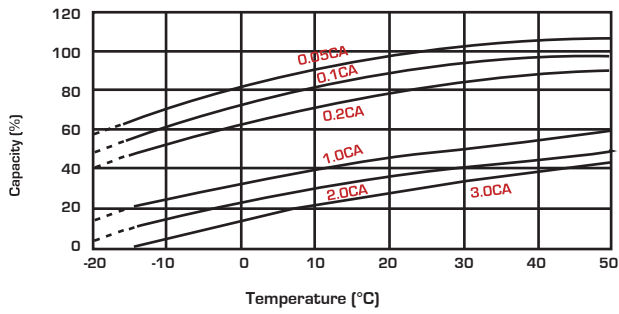
## Discharge Characteristics



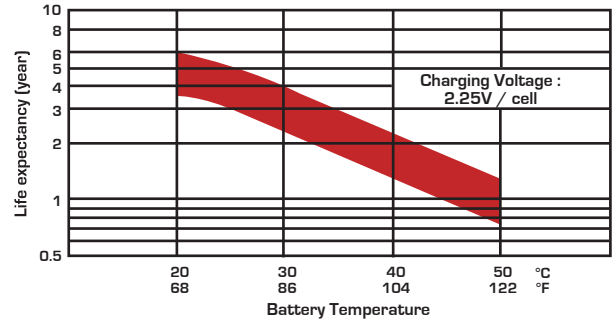
## Float Charging Characteristics



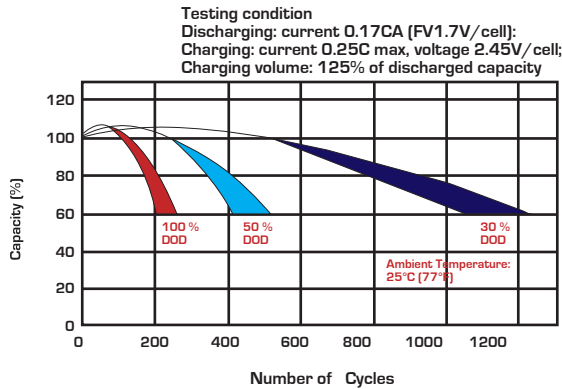
## Temperature Effects in Relation to Battery Capacity



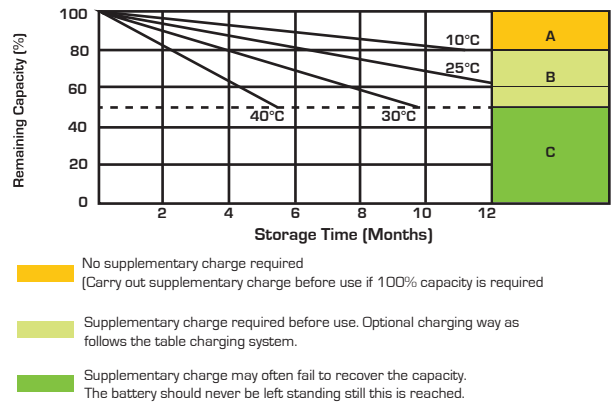
## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics



## Charging System

DOD	Current Limit (A)	Constant Voltage (V)	Fully Charged Time (h)
20	0.15C <sub>10</sub>	13.5-13.8 vpc (12V)	10
	0.20C <sub>10</sub>	6.75-6.9 vpc (6V)	8
50	0.15C <sub>10</sub>	13.5-13.8 vpc (12V)	15
	0.20C <sub>10</sub>	6.75-6.9 vpc (6V)	12
80	0.15C <sub>10</sub>	13.5-13.8 vpc (12V)	16
	0.20C <sub>10</sub>	6.75-6.9 vpc (6V)	14
100	0.15C <sub>10</sub>	13.5-13.8 vpc (12V)	20
	0.20C <sub>10</sub>	6.75-6.9 vpc (6V)	18

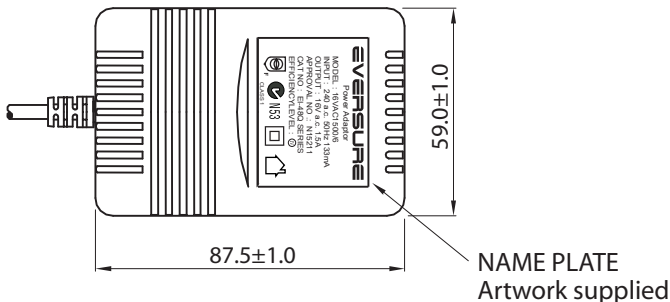
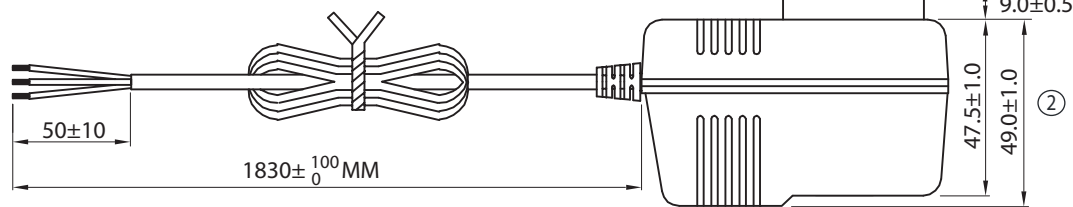
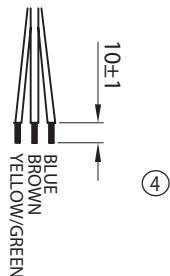
## State of Charge (SOC)

Open Circuit Voltage (V/cell)	Open Circuit Voltage (12V/cell)	Open Circuit Voltage (6V/cell)	State of Charge (% of full charge capacity)
2.14-2.15	12.84-12.90	6.42-6.46	100
2.12-2.13	12.72-12.78	6.36-6.39	90
2.11	12.66	6.33	80
2.09	12.54	6.27	70
2.07	12.42	6.21	60
2.05	12.30	6.15	50



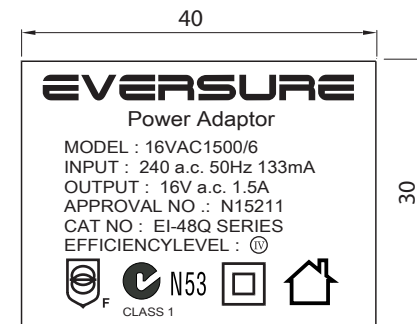
Sealed Performance Batteries

Domestic Sales | Ph: +61 (0)7 3386 1102 | Fax: +61 (0)7 3102 9913  
 sales@spb.net.au | [www.sealedperformance.com.au](http://www.sealedperformance.com.au)  
 National Warehouse | 1 Ant Road | Yatala, Brisbane QLD 4207  
 Melbourne Office | 2/9 Compark Circuit | Mulgrave, Melbourne VIC 3170



	REVISED	DRAWN	APPROVED
①	AMENDED PACKING QTY AND CARTON SIZE	JACKY 10/08/09	GARY 10/08/09
②	ADDED DATE CODE ON CASE AND DIMENSIONS	JACKY 07/12/09	GARY 07/12/09
③	ADDED PASSED LABEL ON CARTON	TODD 22/12/10	JACKY 22/12/10
④	AMENDED AC PINS DIMENSION & ADDED WIRES COLORS	ANLEI 01/11/12	ANLEI 01/11/12
⑤	CHANGED CROSS-SHAPED SCREW TO SHAPE  SCREW ON CASE	MARK 31/08/15	FREDERICK 31/08/15

- NOTES:
1. OUTPUT CORD: 20AWGX3C 1.83M Lead Free GREY (RAL7035)
  2. CASE: GREY (RAL7035)
  3. SECURITY SCREW IS AN ESSENTIAL REQUIREMENT, BOTH "" AND "" SHAPE ARE ACCEPTABLE



LABEL ARTWORK  
Black word on Silver base label

TE DRAWING NO: TE40-0001 R5					PART NO: 16VAC1500MPS/6					
DESCRIPTION: AC ADAPTOR EI-48Q, 16VAC1500mA, 3 WIRE - MEPS										
SIZE	A4	DATE	30/04/09	CHECKED	KEVIN 30/04/09		ORDER REF:	0420	SHEET 1 OF 3	TOLERANCES UNLESS OTHERWISE STATED X.= +/- .X.= +/-0.5 .XX.= +/-0.2
UNIT	MM	DRAWN	KEVIN	APPROVED	FRANK 30/04/09		CUSTOMER:	TE		
SCALE	NTS	MANU:				DATE:				



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ITEM	SPECIFICATION	
1. Primary rated input voltage	AC240V 50Hz 133mA	
2. Secondary rated output voltage and current	Unloaded voltage: AC 18 V ± 5% Loaded Voltage : AC 16 V ± 5% AT 1500 mA	
3. Ripple voltage	*** mV (RMS) MAX. AT Rated Loading	
4. Insulation resistance	Primary - secondary: DC 500 V 100 MΩ Min	
5. Dielectric withstand test	Primary - secondary: AC 3.64 KV 1 seconds	
6. Temperature rise	At rated loading 90°C max. For input coil (By resistance method) and 55°C max. on case surface (By use of thermometer)	
7. EFFICIENCY	≥ 79%	
8. Leadout	Primary	SAA PLUG IN TYPE
	Secondary	PVC cable length: 1.8 Meter Colour : GREY (RAL7035) Wire size: AWG#20/3C Plug : STRIPPED AND TINNED
9. Test circuit		
10. Case	SAA48 colour = GREY (RAL7035)	

	REVISED	DRAWN	APPROVED
①	AMENDED PACKING QTY AND CARTON SIZE	JACKY 10/08/09	GARY 10/08/09
②	ADDED DATE CODE ON CASE AND DIMENSIONS	JACKY 07/12/09	GARY 07/12/09
③	ADDED PASSED LABEL ON CARTON	TODD 22/12/10	JACKY 22/12/10
④	AMENDED AC PINS DIMENSION & ADDED WIRES COLORS	ANLEI 01/11/12	ANLEI 01/11/12
⑤	CHANGED CROSS-SHAPED SCREW TO SHAPE  SCREW ON CASE	MARK 31/08/15	FREDERICK 31/08/15

TE DRAWING NO: TE40-0001 R5


PART NO: 16VAC1500MPS/6

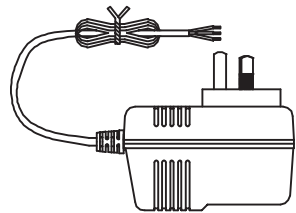
DESCRIPTION: AC ADAPTOR EI-48Q,16VAC1500mA, 3 WIRE - MEPS



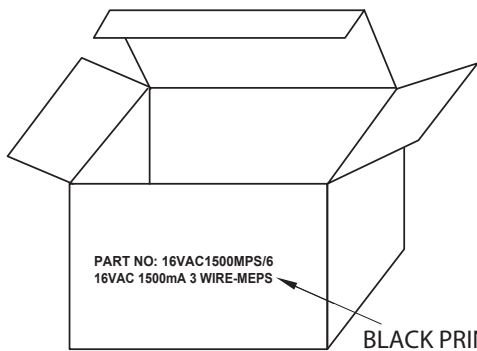
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SIZE	A4	DATE	30/04/09	CHECKED	KEVIN 30/04/09		ORDER REF:	0420	SHEET 2 OF 3	TOLERANCES UNLESS OTHERWISE STATED X.= +/- .X= +/-0.5 .XX= +/-0.2
UNIT	MM	DRAWN	KEVIN	APPROVED	FRANK 30/04/09		CUSTOMER:	TE		
SCALE	NTS	MANU:				DATE:				

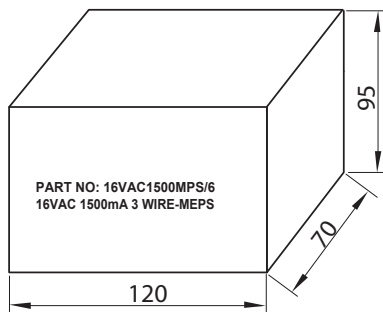
	REVISED	DRAWN	APPROVED
①	AMENDED PACKING QTY AND CARTON SIZE	JACKY 10/08/09	GARY 10/08/09
②	ADDED DATE CODE ON CASE AND DIMENSIONS	JACKY 07/12/09	GARY 07/12/09
③	ADDED PASSED LABEL ON CARTON	TODD 22/12/10	JACKY 22/12/10
④	AMENDED AC PINS DIMENSION & ADDED WIRES COLORS	ANLEI 01/11/12	ANLEI 01/11/12
⑤	CHANGED CROSS-SHAPPED SCREW TO SHAPE  SCREW ON CASE	MARK 31/08/15	FREDERICK 31/08/15



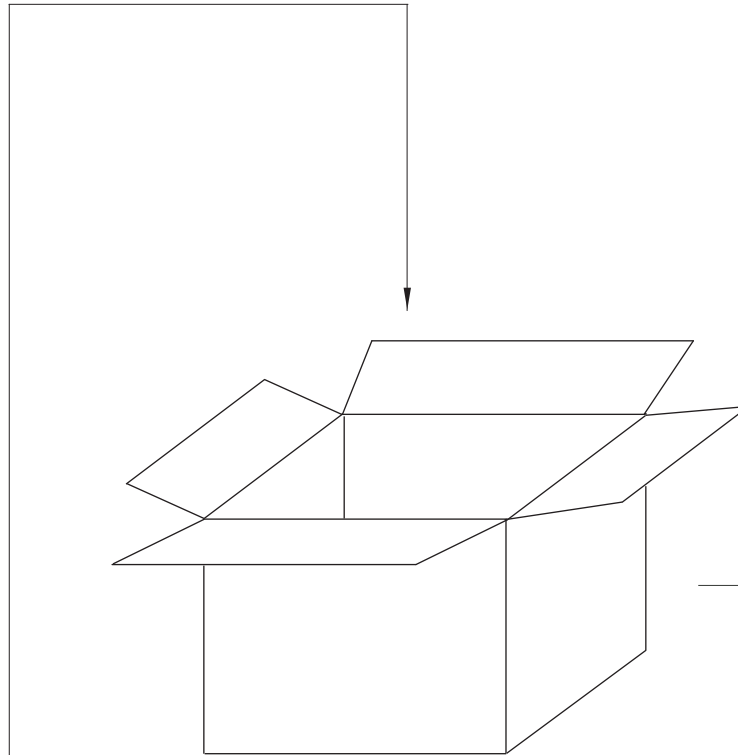
1 PC/WHITE BOX



BLACK PRINTING

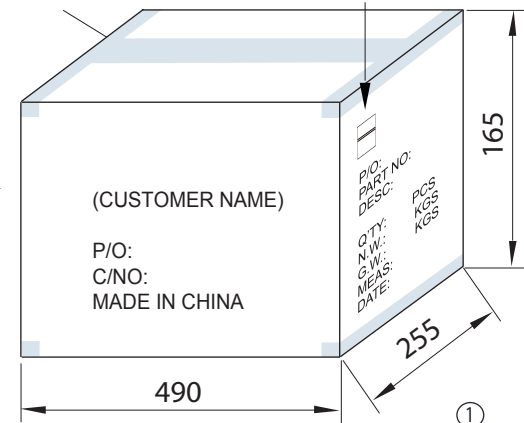


20 BOXES/CARTON ①



SHIPPING CARTON  
PLEASE FOLLOW ORDER TO PRINT SHIPPING MARKS.

ADHESIVE TAPE



③

ONLY ONE RoHS+PASSED LABEL ON CARTON  
RoHS LABEL(55X25MM)  
GREEN GROUNDING YELLOW TEXT  
PASSED LABEL(55X36MM)  
BLUE GROUNDING WHITE TEXT  
WHITE GROUNDING BLUE TEXT


①

TE DRAWING NO: TE40-0001 R5      PART NO: 16VAC1500MPS/6

DESCRIPTION: AC ADAPTOR EI-48Q,16VAC1500mA, 3 WIRE - MEPS



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SIZE	A4	DATE	30/04/09	CHECKED	KEVIN 30/04/09		ORDER REF:	0420	SHEET 3 OF 3	TOLERANCES UNLESS OTHERWISE STATED X.= +/-1 .X.= +/-0.5 .XX.= +/-0.2
UNIT	MM	DRAWN	KEVIN	APPROVED	FRANK 30/04/09		CUSTOMER:	TE		
SCALE	NTS	MANU:					DATE:			



### **Specifications TELLC0280**

The TELLC0280 is the telephone lead with 606 Socket and 2 Meter length of Telephone Cord.

Colour: Ivory.

