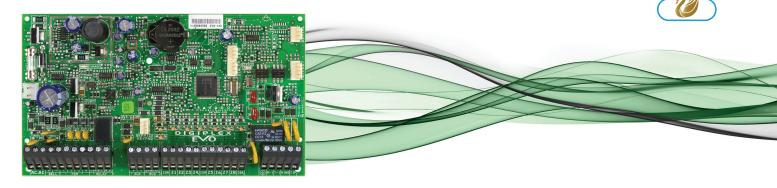
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Digiplex EVO High Security and Access System



Description

Digiplex EVO systems (EVO192) provide the highest level of protection for banks, government sites, luxurious residential homes and any place where maximum security is essential. The modular concept of these systems provide installers with labour-saving features that make expanding, installing and servicing these systems quick and convenient.

Expand your system by adding expansion modules anywhere, in any combination, on the 4-wire combus. Modules are connected to the combus at the most convenient location and their zone inputs are assigned to the desired zone and partition. Keyswitches, remote controls, and unused module inputs do not use zones. Once installed, all combus modules (including motion detectors) can be programmed remotely via a keypad, or the BabyWare PC software.

Digiplex EVO integrates access control solutions. Your alarm system user database can be used to manage the access for up to 32 doors, and the monitoring of these doors can be included in any partition. By merging security and access control, Digiplex EVO systems increase the level of protection offered by security systems to a whole new level.

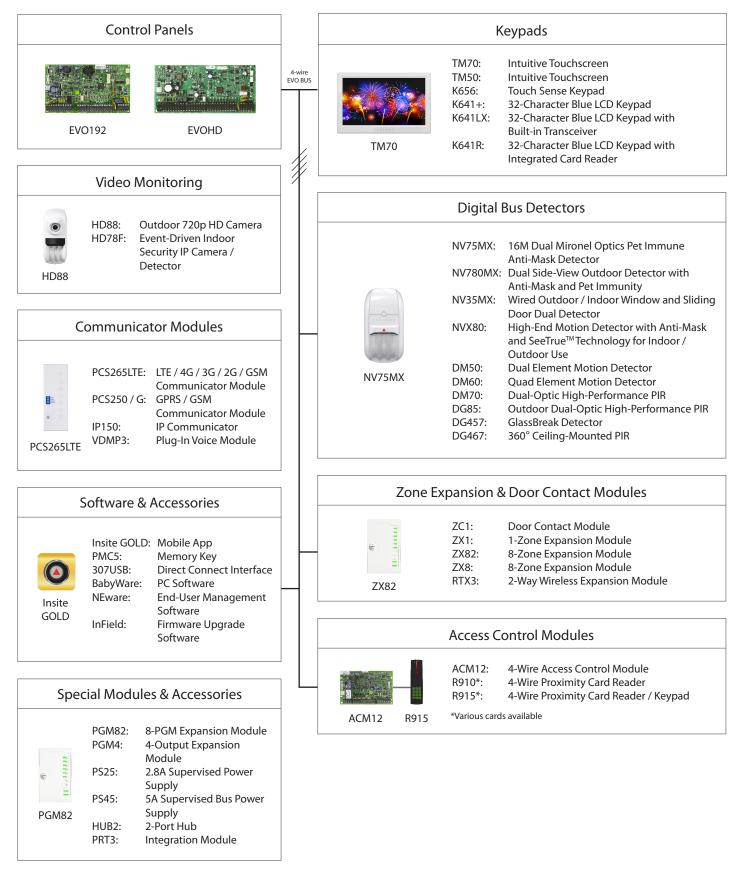
Feature Comparison

Feature	EVO192		
Maximum Zones*	192		
On-board Zones	8 (16 with ATZ)		
Partitions	8		
User Codes	999		
Multibus	\checkmark		
Stay Arming	\checkmark		
Panel In-field Firmware Upgradable	√		
Access Control (Doors)	32		
Access Levels / Schedules	16 / 32		
Events Buffered	3584		
PGMs	32 (5 on-board)		
PGM +/- Trigger	\checkmark		
Virtual Zones**	32		
Expansion Modules*	254		
Supports IP / GPRS / GSM Communication (PCS Series)	√		
Supports VDMP3 Plug-in Voice Module	1		
Supports IP150 Internet Module	\checkmark		
Software	NEware, BabyWare		
Listen-in Capabilities	\checkmark		

* Can be any combination of hardwire, wireless or addressable zones, or modules ** Automate PGM activations without occupying security zones



System Overview



For compatibility details, visit us at paradox.com

Feature Details



Internet Communication (IP150)

The IP150 Internet Module allows you to control and monitor your security system remotely through any web browser. It allows for email notifications of important system events such as alarms, arm/ disarm events, and troubles. For example, receive an email at work when your kids get back from school. You can also view the live status of your system and arm/disarm it. For example, you have just left your office for the weekend but are not sure you remembered to arm the system. Simply check the status of your system from a laptop and arm it.



Wireless Communication (PCS Series)

The PCS series modules provide the Digiplex EVO control panels with wireless communication capabilities to report system events via IP, GPRS, and/or GSM. Whether it be uploading/downloading via IP or GPRS, receiving system status and events by voice or text message, or reporting to the monitoring station via IP, GPRS, or GSM, the PCS series enhances the communication capabilities of any Digiplex EVO installation.



Voice Communication (VDMP3)

The VDMP3 is a plug-in, voice-assisted module that can be programmed to call up to 5 telephone numbers in the event of an alarm. For example, when an alarm occurs at your store during off-hours, every employee can receive notification via telephone; e.g., "Area 1 in alarm. Zone 3. Press 1 to disarm the system..." You can also call the VDMP3 from an outside line, enabling you to arm or disarm the system as well as activate PGMs. The VDMP3 essentially turns any outside telephone into a keypad. The VDMP3 is easy to install; plug it in directly onto the panel, set the phone numbers, and select the activation event.



In-field Upgradable

Digiplex EVO is not only easy to install, but is also fully in-field upgradable for simple on-site updates. The process is effortless; connect the PC to the panel and you are a few clicks away from performing a complete system upgrade within minutes. No need to change panels or hardware; all the updates are done using Paradox's InField Firmware Upgrade Software.



Access Control

Access control can be added to the Digiplex EVO system to provide additional control over who has access to your premises, even when your security system is not armed and you are not there to supervise. With added access control you can limit access to certain areas, disallow access to others, or control entire groups of people according to their schedule or privileges. Make your premises inadmissible to all except those with access cards, track anybody who enters your premises, print detailed reports of access control activities, and more.



App-based System Control

The Insite GOLD app enables you to remotely access your Paradox security system and view your system cameras. Insite GOLD provides lots of functionality and information at one's fingertip. It has an intuitive user-interface which enables you to easily connect to your security system and edit its settings. Now you can control your Paradox security system from any Android / iOS smartphone.

TM70 Overview



TM70: Intuitive Touchscreen

SpotOn Locator™

Upload photos, images, or schematics to eliminate the need for deciphering LED zone lights. These images display any door, window, or motion detector that are active. Since the images are uploaded by the user, they are truly customized, and can be unique to each installation. SpotOn Locator[™] is integrated in the original firmware, and when purchased, is unlocked with an authorization code.

■ OneScreen Monitoring[™]

Provides a real-time visual display of the system's status on one screen. It allows the user to choose which partitions will be displayed showing arming level, alarm, ready, and troubles. It also displays zone statuses; open, close, bypass, alarm, and tamper. OneScreen Monitoring[™] also features Solo Test[™] mode, which allows installers and users to easily test all system zone's via the TM70 Touch's screen. OneScreen Monitoring[™] is integrated in the original firmware, and when purchased, is unlocked with an authorization code.

Display	16-bit, color LCD; 8.6 x 15.4 cm (3.1 x 5.9 in.), 800 x 480 pixels
Input Voltage	9 to 15 Vdc
Current Consumption	250 mA at max brightness + 80 mA sounder
Keypad Zone Input	1 for a detector or external temperature sensor
Tamper	Built-in, cover and wall
Humidity	5 to 90%
Operating Temperature	-10 to 55 °C (14 to 131 °F)
Compatibility	Swan, EVO, Spectra, Magellan

Specifications

Note: All control panel outputs are rated to operate between 11.4 Vdc and 12.5 Vdc.

TEVO-G2K rev.13 - Printed in Canada 02/2019

Canadian and international patents may also apply. All rights reserved. Specifications may change without prior notice. © 2019 Paradox Security Systems Ltd.



Specifications PRX2780000033-P2C

The PRX2780000033-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")





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 protects against tampering (opening door or removal from wall).







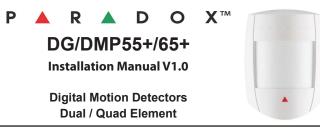
User Guide

	System is Armed	
AC STATUS	Ref Ref Ref Ref m? Med) med med 1 2 3 4 5 6 7 8 0	
	(7) (8) (9) CLEAR (0) (ENTER)	





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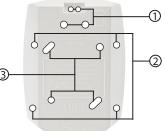
General Description

Thank you for choosing the DG55+/DG65+ indoor high-performance PIR motion detector for your protection needs. The DG/DMP55+/65+ offers superior protection for areas up to 12m x 12m (40 ft x 40 ft).

Installation

- 1) Remove the cover (Figure 1).
- 2) Loosen the PCB screw and remove the PCB (Figure 2 (3)).
- 3) Drill or punch out the selected knockout holes (Figure 1) and secure the detector back using appropriate mounting screws.





- 1) Wire entry knockouts 2) Corner-mount knockouts
- 3) Wall-mount knockouts

Figure 1

- 4) Replace the PCB and verify that the height settings match the actual installation height (Figure 2).
- 5) Pull the wires through the knockout holes and mount the back cover.

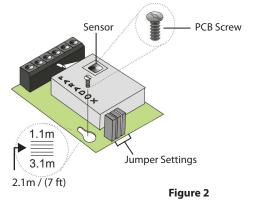
WARNING: Do not obscure partially or completely the detector's field of view.

Detector Settings (Figure 2)

LED (J1): Jumper On - LED On; Off - LED Off

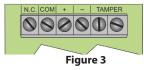
Digital Sensitivity (J2): Jumper On- Normal Sensitivity; Off - High Sensitivity

Single / Dual (J3): Jumper On- Single edge; Off - Dual edge



Powering the Detector

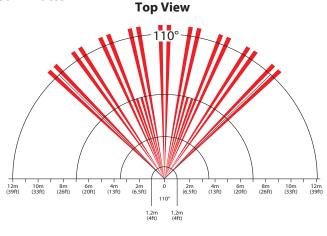
Powering the detector initiates a self-test and the red LED flashes for 5 seconds. When the red LED is no longer flashing, the detector is ready.



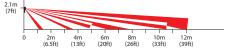
Walk-Test

In Normal Sensitivity and Single Edge mode, you should be detected after 3 steps at 40 ft (12m). High Sensitivity mode should give you more range.

Beam Pattern



Side View



LED Feedback

Alarm: Solid red for three seconds Pre-alarm: Flashing red Power-up: Flashing red for five seconds

Technical Specifications

Sensor type	DG/DMP55+: Dual Element Infrared
	DG/DMP65+: Quad Element Infrared
Sensor geometry	DG/DMP55+: Rectangular
	DG/DMP65+: ISG (Interlock)
Coverage 110°	12m x 12m (40 ft x 40 ft)
(standard)	
Installation height	2.1m to 2.7m (7 ft to 9 ft)
RFI / EMI rejection	10V/m rejection from 10 MHz to 2.7 GHz
Voltage input	9 to 16 Vdc
Nominal operating	12 Vdc
voltage	
Current consumption	Max: 300 mA in set mode
	Min: 15 mA in unset mode
Anti-tamper switch	150 mA / 28 Vdc, N.C.
Lens	2nd generation Fresnel lens, LODIFF°, segments
Alarm output	DG55+/DG65+ = Form A relay 100 mA / 28 Vdc, N.C.
	DMP55+/65+ = EVO bus connection
Detection speed	0.2m/s to 3.5m/s (0.6 ft/s to 11.5 ft/s) Ingress
Operating temperature	-20°C to + 50°C (-4°F to +122°F)
Standards	EN 50131-1, EN 50131-2-2 Security Grade 2,
	Environmental Class II
	Certification Body: Applica Test and Certification

Warranty

For complete warranty information on this product, please refer to the Limited Warranty Statement found on the website www.paradox.com/terms or contact your local distributor. © 2020 Paradox Security Systems (Bahamas) Ltd. All rights reserved. Specifications may change without prior notice.

Patents

One or more of the following US patents may apply: 7046142, 6215399, 6111256, 6104319, 5920259, 5886632, 5721542, 5287111, and RE39406 and other pending patents may apply. Canadian and international patents may also apply. LODIFF® lens: patent #4,787,722 (U.S.). Canadian and International patents may also apply. LODIFF® a registered trademark of Fresnel Technologies Inc.



PARADOX.COM



Specifications DFMWP16

The DFMWP16 is combo siren and strobe (slim design).

- New design
- Siren tone selectable for different applications
- Sound volume adjustable: low dB for testing and high dB for normal operation
- Bright: new LED strobe design
- Independent siren and strobe operation
- High quality UV treated case
- Weatherproof
- Front and back tampers
- EOLRs built in, suitable for most major alarm panels

Operating voltage: 9-15VDC

SPL @ 1meter: 110dB

Siren current draw: 150mA

Strobe current draw: 50mA

Siren tone selectable: Tone 1: warble; Tone 2: Hi/Lo

Dimension: 200 x 110 x 40mm



SECOR		١	/olume High	J1
WP16 Combo Sirer	/Strobe	:	Siren Tone 1	J2 Tone 2
Voltage: 9-15VDC			Та	6.8K
Current: Max 150mA @ High Volume: 110±3 dl	-		mper o	5.6K
Low Volume: 95±3 dB	@ 1meter		Tamper output EOL	■ ■ 3.3K ■ ■ 2.2K
Tone 1: Warble Tone 2: Hi/Lo			P	J3 0
000	000	$\oslash \oslash$	\oslash	\bigotimes
	obe – + LED – put Night Comfort	Tamper Output	Spare	





Specifications DFMWP08

The DFMWP08 is indoor top hat piezo.

Input voltage: 12VDC

SPL @ 1meter: 105dB

Current draw: 90mA



VRLA 12V7AH

SA12V7

Specifications

Nominal Voltage	12 V
Nominal Capacity 20HR	7.0 AH
Dimensions	Length Width Container Height Total Height (with terminal)
Approx Weight	Approx 2.10 kg (4.63 lbs)
Terminal	F1
Container Material	ABS Plastic
Lead Material	Purity Lead 99.995%
Sulfurid Acid	Distilled Sulfurid Acid (Zero met
Separator	AGM
Rated Capacity	7.00 AH/0.350A 6.53 AH/0.653A 6.00 AH/1.20A 5.37 AH/1.79A 4.55 AH/4.55A
Max. Discharge Current	105A (5s)
Internal Resistance	Approx 23mΩ
Operating Temp.Range	Discharge : -15 - 50°C (5 - 12 Charge : 0 - 40°C (32 - 104 Storage : -15 - 40°C (5 - 10
Nominal Operating Temp.Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less tha 14.4V - 14.7V at 25°C (77°F) 1

Standby Use

Capacity affected by Temperature

Self Discharge

0 AH ength 151±1mm (5.94 inches) //dth 65±1mm (2.56 inches) ontainer Height 95±1mm (3.74 inches) otal Height (with terminal) 100±1mm (3.94 inches) pprox 2.10 kg (4.63 lbs) 1 BS Plastic

ead 99.995%					
Sulfurid Acid (Zero metal content)					
H/ 0.350A	(20hr, 1.80V/cell, 25°C/77°F)				
H/ 0.653A	(10hr, 1.80V/cell, 25°C/77°F)				
H/ 1.20A	(5hr, 1.75V/cell, 25°C/77°F)				
H/ 1.79A	(3hr, 1.75V/cell, 25°C/77°F)				
H/4.55A	(1hr, 1.60V/cell, 25°C/77°F)				
ວົຣ)					

Approx a		°C (5.122°E)						
Charge	Discharge : -15 - 50°C (5 - 122°F) Charge : 0 - 40°C (32 - 104°F) Storage : -15 - 40°C (5 - 104°F)							
25±3°C	(77±5°F)							
	0 0	ent less than 2.1A. Voltage °C (77°F) Temp.Coefficient -30mV/	°C					
	No limit on Initial Charging Current Voltage 13.5V - 13.8V at 25°C (77°F) Temp.Coefficient -20 mV/°C							
40°C	(104°F)	103%						
25°C 0°C	(77°F) (32°F)	100% 86%						

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.

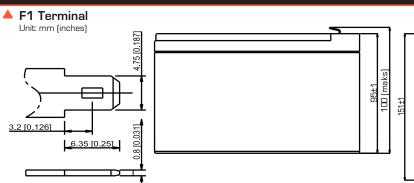


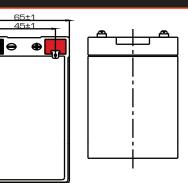
Applications

ZEA

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

Dimensions

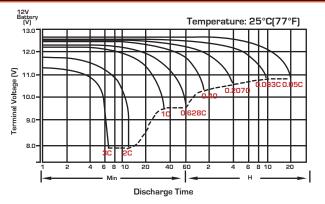




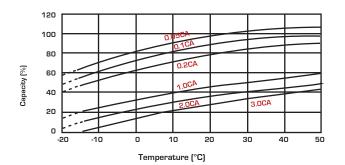
	Constant Current Discharge (Amperes) at 25°C (77°F)														
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	Зh	4h	5h	6h	8h	10h	20h
1.85V/cell	18.0	12.8	10.48	8.79	6.53	4.79	3.86	2.29	1.69	1.36	1.14	0.98	0.774	0.640	0.345
1.80V/cell	21.4	14.3	11.4	9.44	6.94	5.05	4.03	2.38	1.74	1.40	1.17	1.01	0.791	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	Зh	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

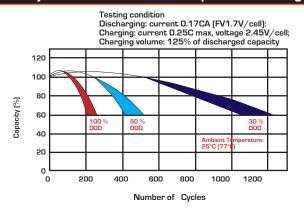
Discharge Characteristics



Temperature Effects in Relation to Battery Capacity



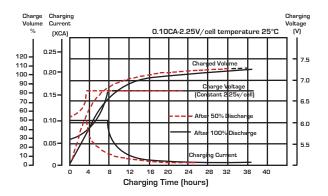
Cycle Life in Relation to Depth of Discharge



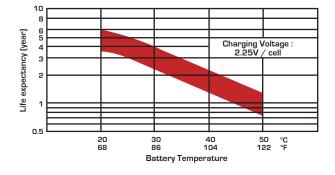
Charging System

DOD	Currency Limit (A)	Constant Voltage (V)	Fully Charged Time (h)
	0.15C10	13.5-13.8 vpc (12V)	10
20	0.20C10 6.75-6.9 vpc (6V		8
50	0.15C10	13.5-13.8 vpc (12V)	15
50	0.20C ₁₀	6.75-6.9 vpc (6V)	12
	0.15C10 13.5-13.8 vpc (12	13.5-13.8 vpc (12V)	16
80	0.20C10	6.75-6.9 vpc (6V)	14
100	0.15C10	13.5-13.8 vpc (12V)	20
	0.20C10	6.75-6.9 vpc (6V)	18

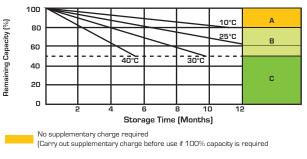
Float Charging Characteristics



Effect of Temperature on Long Term Float Life



Self Discharge Characteristics



Supplementary charge required before use. Optional charging way as follows the table charging system.

Supplementary charge may often fail to recover the capacity. The battery should never be left standing still this is reached.

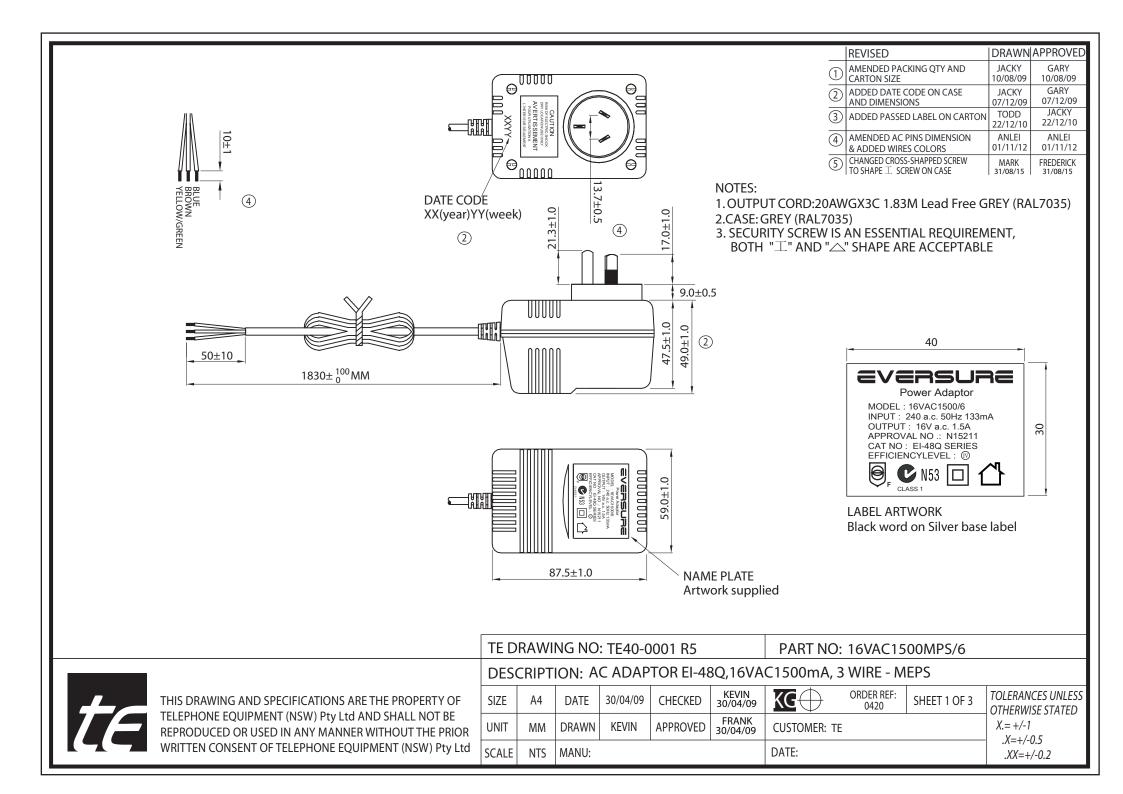
State of Charge (SOC)

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

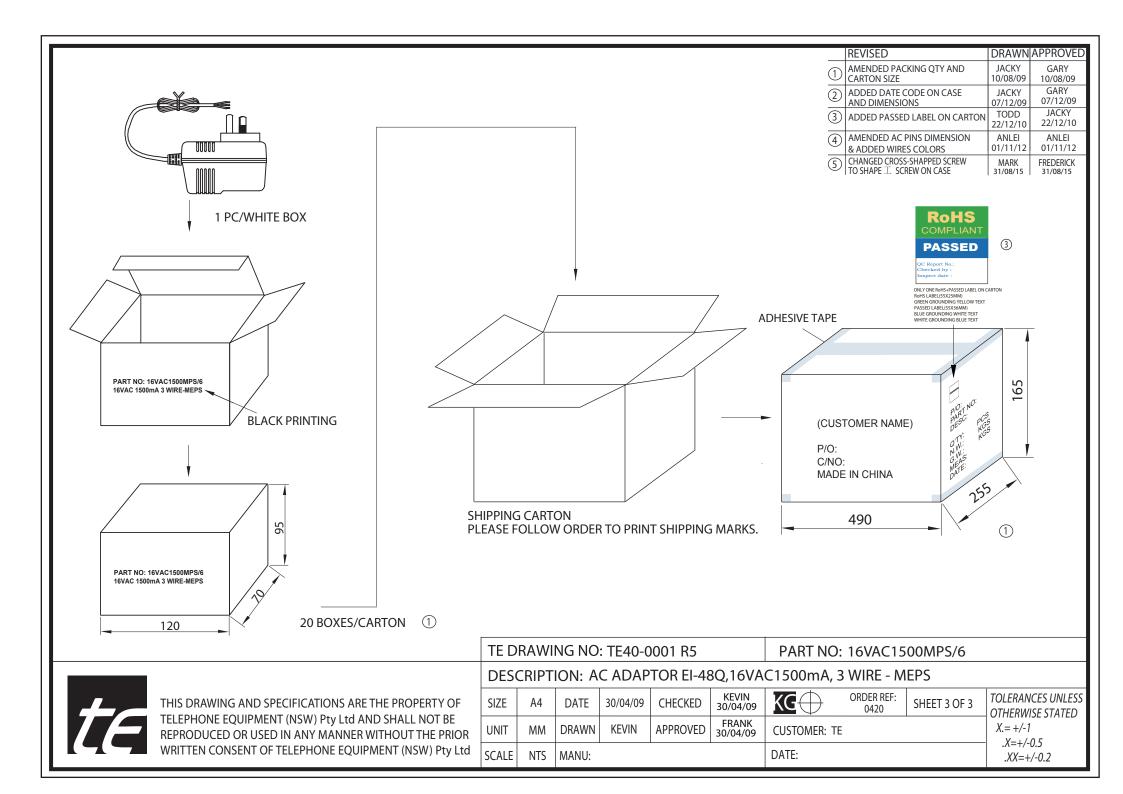


Sealed Performance Batteries

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



										REVISED		DRAWN	APPROVED
ITEM		SPECIFICATION								AMENDED PAC	KING QTY AND	JACKY 10/08/09	GARY 10/08/09
1. Primary rated input voltage		AC240V 50Hz 133mA								ADDED DATE C	CODE ON CASE	JACKY	GARY
2. Secondary rated output		Unloaded voltage: AC 18 V ± 5%									ONS D LABEL ON CARTON	07/12/09 TODD	07/12/09 JACKY
voltage and current		Loaded Voltage : AC 16	V ±	5%	Α	T 15	00 mA					22/12/10	22/12/10
3. Ripple voltage		*** mV (RMS) MAX. AT Rated Loading							(4)	& ADDED WIRE	PINS DIMENSION	ANLEI 01/11/12	ANLEI 01/11/12
4. Insulation resistance		Primary - secondary: DC 500 V 100 MΩ Min								CHANGED CROSS TO SHAPE I SCR	S-SHAPPED SCREW REW ON CASE	MARK 31/08/15	FREDERICK 31/08/15
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℃ max. on case surface (By use of thermometer)											
7. EFFICIENCY		≥ 79%											
	Primary SAA PLUG IN TYPE												
8. Leadout	. Leadout												
	Secondary	PVC cable length: 1.8 Meter											
		Colour : GREY (RAL7035)											
		Wire size: AWG#20/3C											
Plug : STRIPPED AND TINNED													
	-	PRIMARY SECONDARY											
9. Test circuit													
		l I LOADING											
10. Case SAA48 colour = GREY (RAL7035													
									0.000				
										16VAC15			
			DESCRIPTION: AC ADAPTOR EI-48Q,16VAC						C1500mA, 3	B WIRE - M	EPS		
THIS	ECIFICATIONS ARE THE PROPERTY OF T (NSW) Pty Ltd AND SHALL NOT BE	SIZE	A4	DATE	30/04/09	CHECKED	KEVIN 30/04/09	KG	ORDER REF: 0420	SHEET 2 OF 3		ICES UNLESS ISE STATED	
		D IN ANY MANNER WITHOUT THE PRIOR		MM	DRAWN	KEVIN	APPROVED	FRANK 30/04/09	CUSTOMER: TE			X.= +/-1	
WRIT		FELEPHONE EQUIPMENT (NSW) Pty Ltd	SCALE	SCALE NTS MANU: D				DATE:	DATE:			0.5 -/-0.2	





Specifications TELLC0280

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

Colour: Ivory.

