

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.





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).



SP5500+ / SP6000+ / SP7000+ User Guide

4 to 32-Zone Expandable Security Systems





NV5 High-Performance Digital Infrared Motion Detector

Description

The NV5 is the entry-level motion detector from Paradox's ENVY line of next generation motion detection. Featuring advanced processing technology, optical technology, and easy installation, the NV5 represents state of the art technology with the most advanced and innovative digital infrared detector of its class.

The NV5 features Paradox's developed optics - a Hybrid Cylindrical / Spherical combination 1.0 inch lens with 3rd generation 3D Lodiff[®] Fresnel segments- the first and most advanced lens in the detection industry. This combination offers the best detection possible for passive infrared energy reception optimized for far beams (cylindrical) and medium/ close beams (spherical). This lens also features Paradox's "Equalized" detection pattern, ensuring equal sensitivity throughout the protected area. Furthermore, the NV5 offers Small Pet Resistance or, alternatively, a Super Creep Zone Mirror add-on optics, which provides superior detection directly below the detector (see Beam Pattern).

The NV5 offers Auto Pulse Signal Processing with two levels of RF rejection, dual or single edge processing, and LED feedback for each setting. With precision and equalized detection, superior detector stability, total area coverage, and complete false alarm protection, the NV5 is the most advanced and innovative digital infrared detector in its class.

ENVY DE





Features

- Infrared motion detector managed by Full Authority Digital Electronics Control (FADEC)
- Paradox's Hybrid Cylindrical-Spherical 1.0 inch lens with 3rd generation 3D Lodiff[®] Fresnel segments- 10 x 10 m (32.8 x 32.8 ft), 90° viewing angle, and 0.5 m (1.6 ft) to max range (no dead zone beam pattern)
- Paradox's equalized detection pattern ensures equal sensitivity throughout the protected area
- Paradox Super Creep down-looking beam optic option for straight down detection
- Pet Resistance up to 16 kg (35 lb)
- Dual/Single Edge Processing selection the only one in its class
- Paradox patented Auto Pulse Signal Processing (APSP) with settings for normal or high interference environments
- Digitally equalized temperature compensation; unit performance specifically tailored to obtain same catch capability at all specified operating temperatures
- Digital Sensitivity trimmer adjustment with five range levels and LED feedback, allows for perfect unit adjustment for all room sizes
- Optional wall/ceiling mount bracket
- Miniature yet easy to install with no PCB removal or adjustment
- CE and EN50131 Grade 2 approved (see PARADOX.com for latest approval updates)
- Interchangeable lenses; 90° standard lens

Advanced Digital Technology (FADEC)

The NV5's digital analysis and algorithms ensure precise and accurate detection performance, managed by Full Authority Digital Electronics Control (FADEC). Depending on the environment application, the NV5 can be easily configured with its unique pre-programmed profile settings (Normal, Moderate, Pet Resistant, and Harsh).

- High-resolution and full-dynamic range digital signal conversion
- High-speed, advanced algorithm, digital signal processing
- Digital EMI / RFI interference rejection
- Five choices of digital range levels (via trimpot)

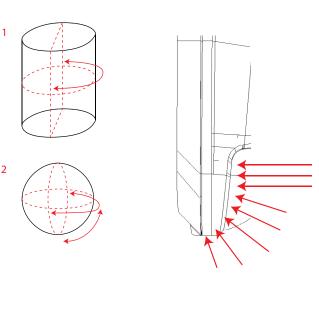
Advanced Optical Technology

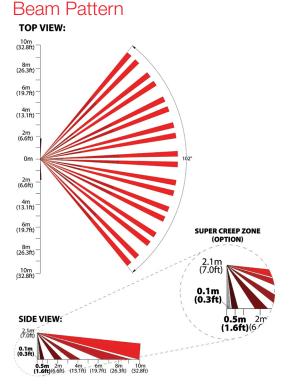
Paradox's Hybrid Cylindrical-Spherical combination offers the best detection possible for passive infrared energy reception for far beams (1. Cylindrical) and medium/close beams (2. Spherical). This lens design allows for ultimate perpendicular beam collection. Superior and uniform energy collection translates to a better image quality of the target which provides unmatched detection accuracy and stability.

- 3rd generation 3D LoDiff® Fresnel segments
- Optically and digitally equalized beam pattern (all beams optimized for generating equal signal level at any distance or angle)
- Optional Super Creep Zone or Pet Resistance up to 16 kg (35 lb)

Technical Specifications

Installation height	2.1 m – 3.1 m (7.0 ft – 10.2 ft) For 10 m and above range, unit must be installed at 2.1 m (7.0 ft) height and above							
Sensor	Dual rectangular element, low noise, high sensitivity, EMI immunity							
Lens	Hybrid Cylindrical Spherical 3 rd gen. Fresnel Lens, equal beam sensitivity (patent pending)							
Processing	High resolution digital signal processing. Four profiles (Normal, Medium, Pet Res., Harsh), true digital temperature compensation.							
Super Creep Zone	Add on mirror option for enhanced creep zone at 0.1 m from the wall (no Pet Resistence)							
Range adjustment	5 level range adjustments (50% to 150%)							
Startup time	10 seconds							
Detection speed	0.2 m/s to 3 m/s (0.6 ft/s to 9.8 ft/s)							
Power input	10 Vdc to 15 Vdc							
Current consumption	10.5 mA @ Standby / 11.3 mA @ Alarm							
Coverage	10 m (32.8 ft) x 90°							
Coverage	0.5 m (1.6 ft) down looking with optional creep zone							
PET Resistance	Up to 16 kg (35 lb)							
Alarm indicator	Red LED for 3 seconds							
Alarm output	Solid State, N.C. 150 mA							
Anti-tamper switch	N.C. 28 Vdc, 0.15 A							
Operating temperature	-10°C to 50°C (14°F to 122 °F)							
Humidity	95% max.							
Dimensions	9.1 x 5.5 x 4 cm (3.5 x 2.2 x 1.6 in.)							
RFI Immunity	10 V/m 80 MHz to 2 GHz							
Environmental standards	Complies with EN 50131 Security Grade 2 / Environmental Class I							





Ρ

Wall/Ceilling Bracket

Wall Mount Bracket





TNV5-G2K_rev00 - Printed in Canada 12/2013. ENVY Series is a trademark of Paradox Security Systems (Bahamas) Ltd. or its affiliates in Canada, the United States and/or other countries. One or more of the following US Patents 1,302,541 5,077,549 D680010 and other patents pending may apply. Canadian and international patents may also apply. All rights reserved. Specifications may change without prior notice. © 2013 Paradox Ltd.



Specifications PRXK32LCD+-N3Q

The PRXK32LCD+-N3Q is a 32-Character Hardwired LCD Keypad Module.

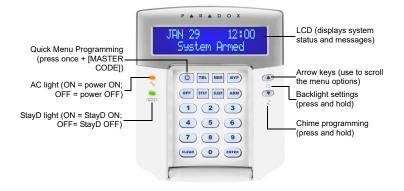
Features:

- Beautiful new design
- 32-character blue LCD with programmable labels
- Real-time zone alarm display (until disarmed)
- In-field firmware upgrade via 307USB
- StayD status LED
- Menu-driven programming for easy system setup (installer and end user)
- 1 keypad zone input
- Independently set chime zones
- 8 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight, contrast and scroll speed
- Connects to 4-wire expansion bus
- Compatible with MG5000, MG5050, MG5075, and Spectra SP series V2.31 and up
- Compatible with SP4000, SP65 V4.90 and up



P 🔺 R 🔺 D O X[~]

Quick Start K32LCD+ Keypad



How To Arm

Arming When Exiting (Regular Arm)

To arm your system when exiting:

Step	Description
	Close all zones in the desired partition.
2.	Press [ARM] and enter your [ACCESS CODE].

Note: To arm with StayD enabled, refer to the StayD user manual, available at paradox.com. To learn more about StayD, contact your installer.

Arming When Staying (Stay / Sleep Arm)

To arm your system when staying:

Step	Description
1.	Press [STAY] for stay arming or [SLEEP] for sleep arming and then enter your [ACCESS CODE].
2.	Select the desired partition (1 or 2). For both, press one, then the other after the beep.



How to Disarm

To disarm your system when entering:

Step	Description
1.	Press [OFF] and enter your [ACCESS CODE].
2.	Select the desired partition (1 or 2). For both, press one, then the other after the beep.

Panic Keys

To send a silent or audible alarm to your security company, press and hold one of the key combinations listed below, for two seconds.

Panic Alarm	Key Combinations
Police	Keys [1] & [3]
Medical	Keys [4] & [6]
Fire	Keys [7] & [9]

Alarm Memory Display

To view the alarms that occurred during the last armed period:

Step	Description
1.	Disarm the system.
2.	Press [MEM]. All zones that were breached during the last armed period will be displayed. Use the arrow keys to view the zones.
3.	Press [ENTER] to save and exit.

Trouble Display

The LCD screen will display all troubles when they occur. To view and clear troubles:

Step	Description
1.	Press [TBL].
2.	Scroll through the list of troubles using the arrow keys. Refer to the MGSP User Guide for trouble descriptions and instructions.
3.	Perform the recommended repair instructions to clear the trouble. If no instructions are given, contact your security company.
4.	Press [CLEAR] to exit.

How to Bypass Zones

When a zone is bypassed, it remains unarmed when the corresponding area is armed. To bypass zones:

Step	Description
1.	Press [BYP].
2.	Enter your [ACCESS CODE].
3.	Select the zone you want to bypass by entering the zone number, e.g., zone 3=03.
4.	Press [Enter].

© 2019 Paradox Security Systems (Bahamas) Ltd. All rights reserved. Specifications may change without prior notice. For complete patent, trademark, certification, and warranty information, please visit 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) T

0°C

(32°F)

Standby Use

Capacity affected by Temperature

Self Discharge

Width $65\pm 1 mm$ [2.56 inches] Container Height 95±1mm [3.74 inches] Total Height (with terminal) 100±1mm [3.94 inches] Approx 2.10 kg (4.63 lbs) F1 ABS Plastic Purity Lead 99.995% Distilled Sulfurid Acid [Zero metal content] AGM 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] 5.35 AH/4.55A (1hr, 1.60V/cell, 25°C/77°F] 105A [5s] Approx 23mΩ Discharge : -15 - 50°C [5 - 122°F] Charge : 0 - 40°C [32 - 104°F] Storage : -15 - 40°C [5 - 104°F] Storage : -15 - 40°C [5 - 104°F]

151±1mm (5.94 inches)

 25±3°C
 (77±5°F)

 Initial Charging Current less than 2.1A. Voltage

 14.4V - 14.7V at 25°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
 (77°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

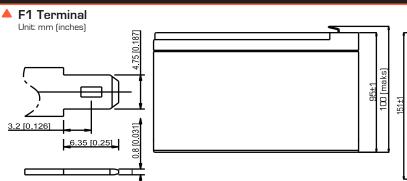
- All purpose
- Standby Applications
- Recreation Vehicles
- Uninterruptible Power Supply (UPS)
- Electric Power System (EPS)
- Fire & Security
- Generators

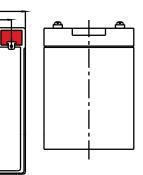
65±1 45±1

- -

• Medical Equipment

Dimensions

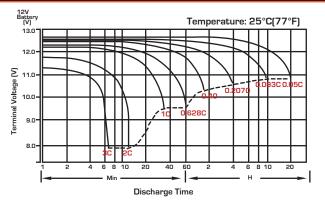




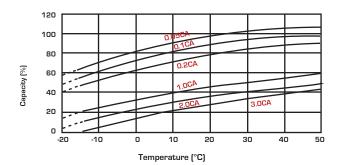
	Constant Current Discharge (Amperes) at 25°C (77°F)														
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	Зh	4h	5h	6h	8h	10h	20h
1.85V/cell	18.0	12.8	10.48	8.79	6.53	4.79	3.86	2.29	1.69	1.36	1.14	0.98	0.774	0.640	0.345
1.80V/cell	21.4	14.3	11.4	9.44	6.94	5.05	4.03	2.38	1.74	1.40	1.17	1.01	0.791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

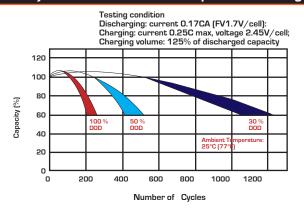
Discharge Characteristics



Temperature Effects in Relation to Battery Capacity



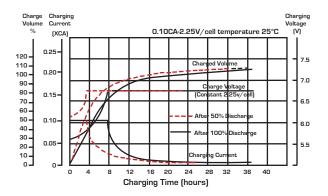
Cycle Life in Relation to Depth of Discharge



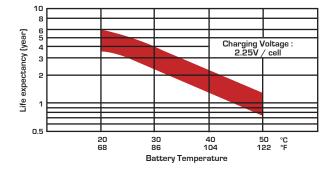
Charging System

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

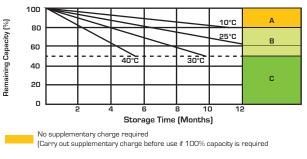
Float Charging Characteristics



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.

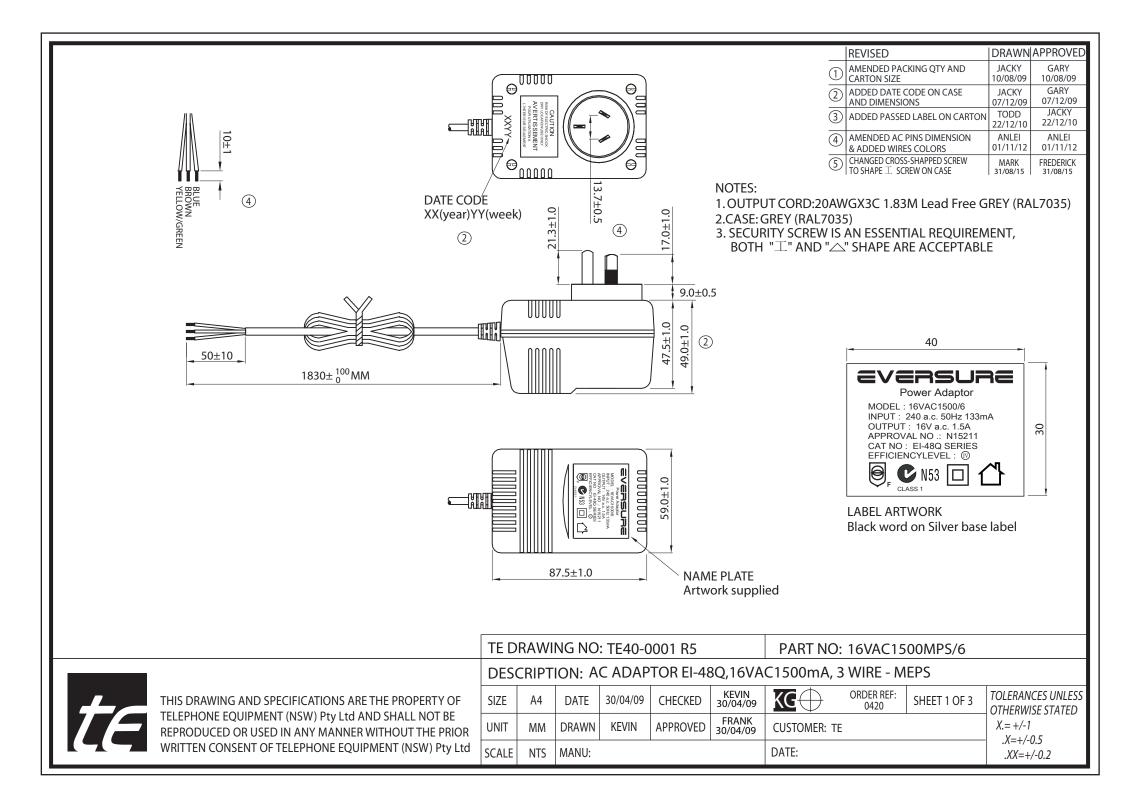
State of Charge (SOC)

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

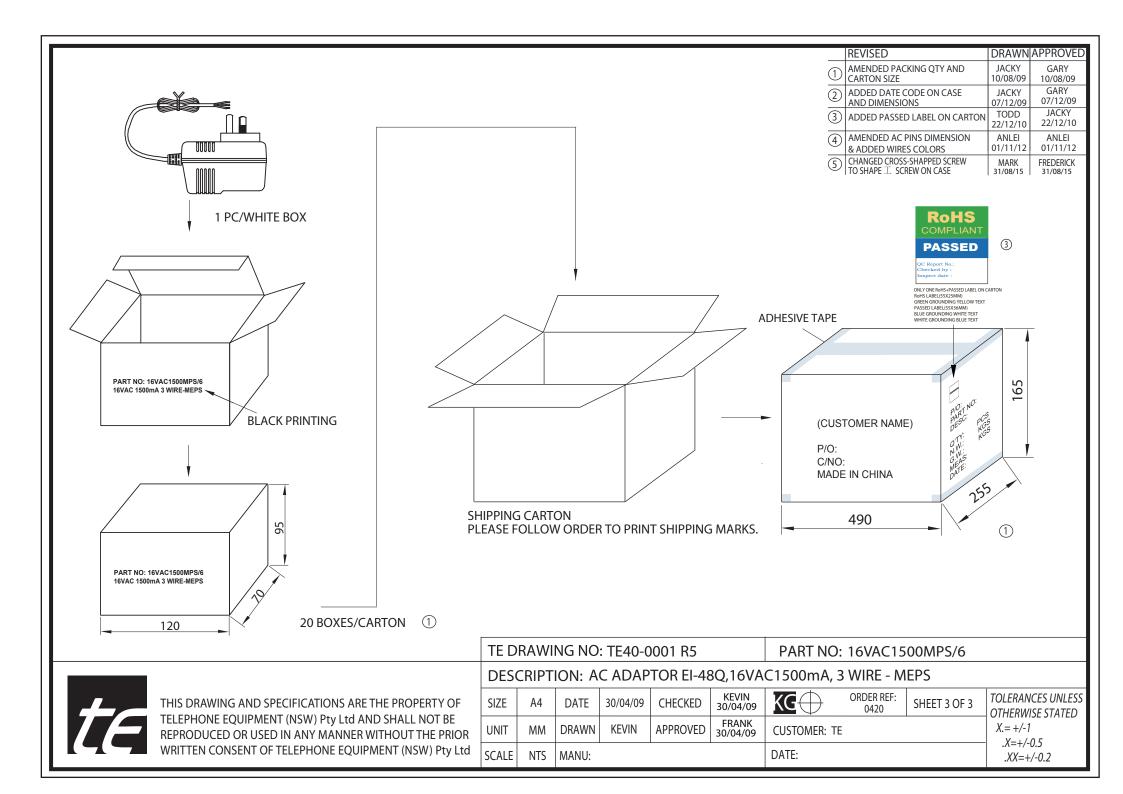


Sealed Performance Batteries

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							$ \frac{1}{2}$	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 Rate	d Loa	ding					(4)	& ADDED WIRE	PINS DIMENSION	ANLEI 01/11/12	ANLEI 01/11/12
4. Insulation resistance		Primary - secondary: DC 500	C 500 V 100 MΩ Min						5	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℃ max. For	input	coil (B	y resis	tance m	ethod)						
		and 55°C max. on case surface (By use of thermometer)											
7. EFFICIENCY		≥ 79%											
	Primary	SAA PLUG IN TYPE											
8. Leadout													
	Secondary	PVC cable length: 1.8 Meter											
		Colour GREY (RAL7035)											
		Wire size: AWG#20/3C											
		Plug : STRIPPED AND TINNED											
	-	PRIMARY SEC	PRIMARY SECONDARY										
9. Test circuit													
							.OADING						
10. Case SAA48 colour = GREY (RAL7035)													
									0.000				
						TE40-0001 R5 PART NO: 16VAC1500MPS/6							
			DESCRIPTION: AC ADAPTOR EI-48Q,16VAC1500mA, 3 WIRE - MEPS										
THIS DRAWING AND SPECIFICATIONS ARE T TELEPHONE EQUIPMENT (NSW) Pty Ltd AN			SIZE	A4	DATE	30/04/09	CHECKED	KEVIN 30/04/09	KG	ORDER REF: 0420	SHEET 2 OF 3		ICES UNLESS ISE STATED
		IN ANY MANNER WITHOUT THE PRIOR				CUSTOMER: TE							
WRITTEN CONSENT OF T		FELEPHONE EQUIPMENT (NSW) Pty Ltd				DATE:			-/+=X. XX=+				





Specifications TELLC0280

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

Colour: Ivory.

