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 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")

P A R A D O X™

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).
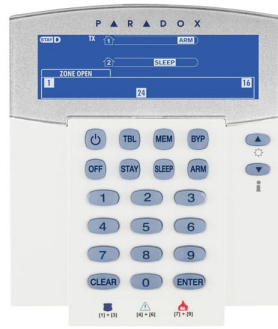
SP5500+ / SP6000+ / SP7000+
User Guide

4 to 32-Zone Expandable Security Systems

KEEPING
MY FAMILY
SAFE

P ▲ R ▲ D O X™

Specifications PRXK38-T7W

The PRXK38-T7W is a 32-Zone Wireless Fixed LCD Keypad.

Features:

- Powered by 2 "AA" batteries, with built-in backup battery (PA6 is optional)
- A 6VDC power adaptor (PA6-C6F not included) is not required but can be used as an alternative power source
- Provides real-time zone and system status, and can be used to program the panel using only battery power (2 "AA" alkaline batteries)
- Goes into sleep mode after 20 seconds to save battery life, but remains synchronized with the panel in order to automatically wake up upon an entry delay or an alarm to provide full functionality (system status, zone display and buzzer)
- Fixed message display that guides you in the operation of the system
- Displays the status of 32 zones in 2 partitions
- Displays Arm, Sleep, Stay and Disarmed status for each partition
- Displays StayD, troubles, bypassed zones and alarm memory
- In-field firmware upgrade via 307USB
- Adjustable backlight
- Built-in transceiver (433MHz)
- Wireless range in a typical residential environment: 40m (130ft)
- 8 one-touch action buttons
- 3 keypad-activated panic alarms
- Compatible with MG6250, MG5000 / MG5050 V3.22, MG5075, Spectra SP V3.22 (except SP4000) and RTX3 V1.42

P ▲ R ▲ D O X™

P ▲ R ▲ D O X™

K38 - User's Quick Reference Guide

KEYPAD OVERVIEW

TX
Fast Flash = Communication with panel in progress

StayD
On = StayD enabled
Off = StayD disabled

Zone Status

Keys

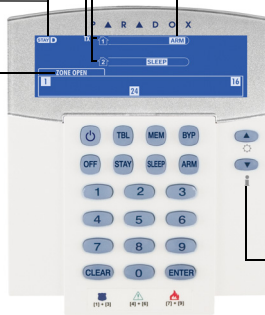⏻ = Press once + **[MASTER CODE]** for Quick Menu programming

☼ = Press & hold for keypad settings

𝗂 = Press & hold for chime programming

Zone Display:
Numbers [1] to [32] correspond to zones 1 to 32 respectively. Open or entry delay zones are illuminated, and flash in alarm.

Partition Status

Arm / Sleep / Stay:
On = Partition armed
Off = Partition disarmed
Flash = Exit Delay
Fast Flash**†**= Exit Delay (final 10 sec.)
Fast Flash**†**= Partition in alarm

†Audible Indicators:
Continuous beep = Alarm
Variable beep = Fire alarm
Intermittent beep = Beginning of exit delay
Fast beep = Final 10 sec. of exit delay

Info:
Refresh display to see all open zones

[TBL] Trouble display
On = Trouble(s) occurring

[MEM] Alarm memory display
On = Alarm(s) occurred

[BYP] Bypass programming
On = Zone(s) bypassed

ARMING AND DISARMING

TO ARM WHEN LEAVING…

To Regular Arm:
1. Close all zones in the desired partition.
2. Enter your **[ACCESS CODE]‡** or **[ARM]** + **[ACCESS CODE]**

TO ARM WHEN STAYING…

To Stay Arm:
1. Press the **[STAY]** key.
2. Enter your **[ACCESS CODE]‡**.

To Sleep Arm:
1. Press the **[SLEEP]** key.
2. Enter your **[ACCESS CODE]‡**.

To Disarm:
[OFF] + **[ACCESS CODE]‡**

‡ *If needed, press button(s) corresponding to desired partition(s). For two partitions, press the other key after the confirmation beep.*

PANIC ALARMS

To send a silent or audible alarm to your monitoring station, press and hold one of the following combinations for 3 seconds.

Panic Alarm Type	Button Combinations
Police	Press [1] & [3]
Medical	Press [4] & [6]
Fire	Press [7] & [9]

ALARM MEMORY DISPLAY

To view the alarms that occurred during the last armed period:
1. Disarm the system.
2. Press the **[MEM]** key.
3. The corresponding zone numbers that were in alarm the last time the system was armed will appear on the screen.
4. To exit, press **[CLEAR]**.

TROUBLE DISPLAY

1. Press the **[TBL]** key. The word 'Trouble' and the number(s) corresponding to the trouble(s) are displayed on the screen.
2. Read the corresponding explanation of the trouble from the trouble list in the MG/SP User Guide. If no repair instructions are given, call your security company for repairs.
3. To exit, press **[CLEAR]**.

KEYPAD SETTINGS

To mute the keypad:
Press and hold the **[CLEAR]** key for 10 seconds to enable or disable Keypad Muting.

To adjust the backlight level:
1. Press and hold the [▲] key for 4 seconds.
2. Keys [1] and [2] flash.
3. Press [1], then use the [▲] and [▼] to adjust.
4. To save and exit, press **[CLEAR]** or **[ENTER]**.

To adjust the backlight delay:
1. Press and hold the [▲] key for 4 seconds.
2. Keys [1] and [2] will flash.
3. Press [2], then use the [▲] and [▼] to adjust.
4. To save and exit, press **[ENTER]**.

BYPASS PROGRAMMING

Bypassed zones remained unarmed when the partition is armed.
1. Press the **[BYP]** key.
2. Enter your **[ACCESS CODE]‡**.
3. The corresponding zone number will be displayed on the screen when open. Select the zone(s) you want to bypass by entering the two-digit zone number. For example, to enter zone 3, enter **[0]** then **[3]**. The corresponding zone indicator will flash.
4. To save and exit, press **[ENTER]**.

CHIME PROGRAMMING

A Chime Enabled zone will advise you every time it is opened by causing your keypad to beep.

1. Press & hold the **[🔔]** key. The word 'Chime' appears on the screen.
2. Select the zones you want to Chime by entering the two-digit zone number. The corresponding zone number flashes. For example, to chime zone 2 enter **[0]** then **[2]**. The keypad automatically saves once the 2-digit zone number is entered.
3. To save and exit, press **[ENTER]**.

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
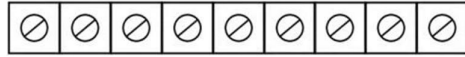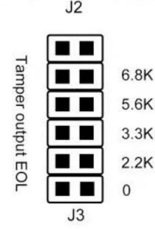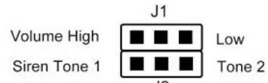
SECOR

WP16 Combo Siren/Strobe

Voltage: 9-15VDC

Current: Max 150mA @ 12VDC

High Volume: 110±3 dB @ 1meter

Low Volume: 95±3 dB @ 1meter

Tone 1: Warble

Tone 2: Hi/Lo

J1

Volume High   Low

Siren Tone 1   Tone 2

J2

Tamper output EOL

6.8K

5.6K

3.3K

2.2K

0

J3

+ Siren –	+ Strobe –	+ LED –	Tamper	Spare
Input	Input	Night Comfort	Output	

Specifications DFMWP08

The DFMWP08 is indoor top hat piezo.

Input voltage: 12VDC

SPL @ 1meter: 105dB

Current draw: 90mA

ZEAL

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%
Sulfurid Acid	Distilled Sulfurid 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

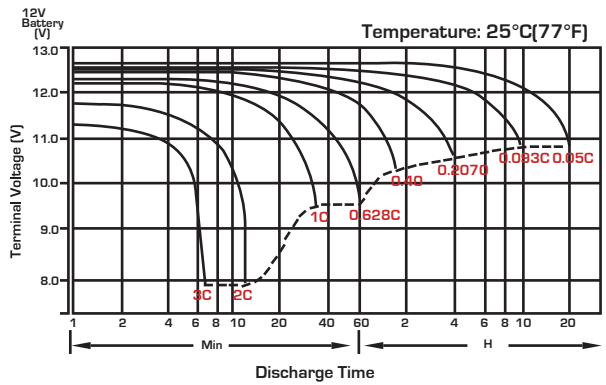▲ **F1 Terminal**
Unit: mm (inches)

4.75 (0.187)
3.2 (0.126)
6.35 (0.25)
0.8 (0.031)
65±1
45±1
95±1
100 (maks)
151±1
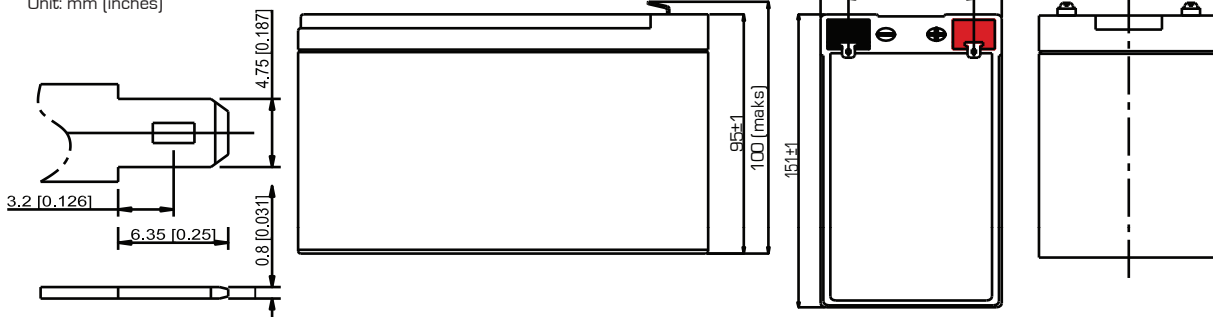
Constant Current Discharge (Amperes) at 25°C (77°F)

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

Temperature: 25°C(77°F)

12V Battery (V) / Terminal Voltage (V) vs Discharge Time (Min / H)

Curves labeled: 3C, 2C, 1C, 0.628C, 0.40C, 0.2070, 0.083C, 0.05C

Float Charging Characteristics

0.10CA-2.25V/cell temperature 25°C

Charge Volume %, Charging Current (XCA), Charging Voltage (V) vs Charging Time (hours)

- Charged Volume
- Charge Voltage (Constant 2.25v/cell)
- After 50% Discharge
- After 100% Discharge
- Charging Current
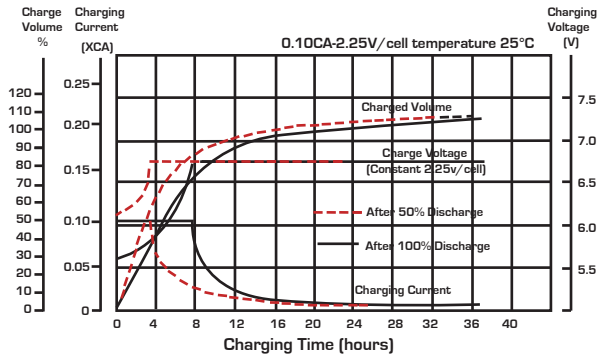
Temperature Effects in Relation to Battery Capacity

Capacity (%) vs Temperature (°C)

Curves labeled: 0.05CA, 0.1CA, 0.2CA, 1.0CA, 2.0CA, 3.0CA
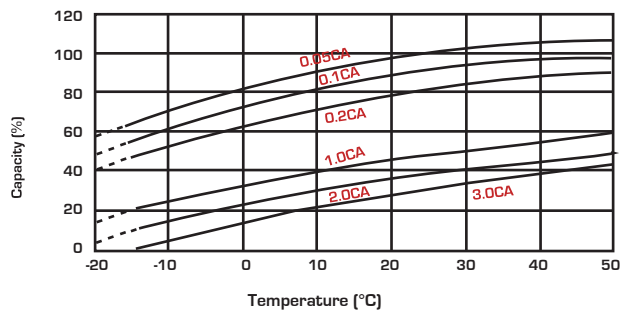
Effect of Temperature on Long Term Float Life

Charging Voltage : 2.25V / cell

Life expectancy (year) vs Battery Temperature (°C / °F)
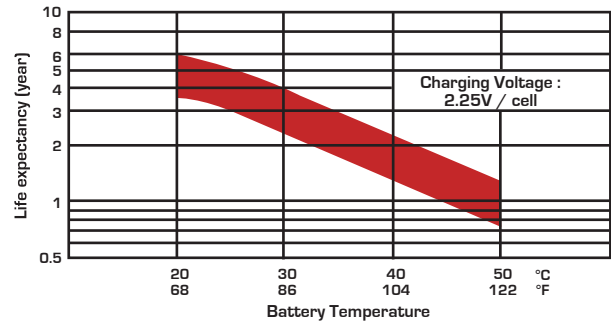
Cycle Life in Relation to Depth of Discharge

Testing condition
Discharging: current 0.17CA (FV1.7V/cell):
Charging: current 0.25C max, voltage 2.45V/cell;
Charging volume: 125% of discharged capacity

Capacity (%) vs Number of Cycles

Curves labeled: 100% DOD, 50% DOD, 30% DOD

Ambient Temperature: 25°C (77°F)

Self Discharge Characteristics

Remaining Capacity (%) vs Storage Time (Months)

Curves labeled: 10°C, 25°C, 40°C, 30°C

Zones: A, B, C

- No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required
- 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.

Charging System

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

Cord wires (left):
- 10±1
- BLUE
- BROWN
- YELLOW/GREEN
- ④

Top view:
- CAUTION RISK OF ELECTRIC SHOCK DRY LOCATION/USE ONLY
- AVERTISSEMENT POUR UTILISATION A LINTERIEUR SEULEMENT
- XXYY
- TE
- DATE CODE XX(year)YY(week) ②
- 13.7±0.5 ④
- 21.3±1.0 ④
- 17.0±1.0

Side view dimensions:
- 9.0±0.5
- 47.5±1.0 / 49.0±1.0 ②
- 50±10
- 1830± (100/0) MM

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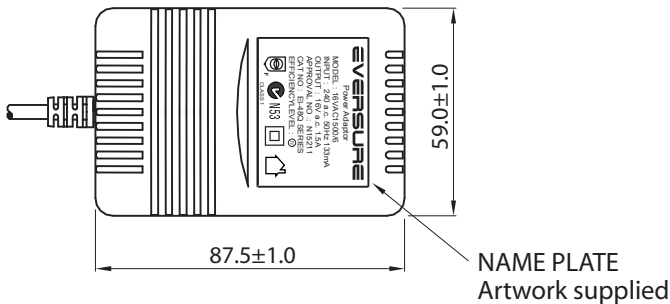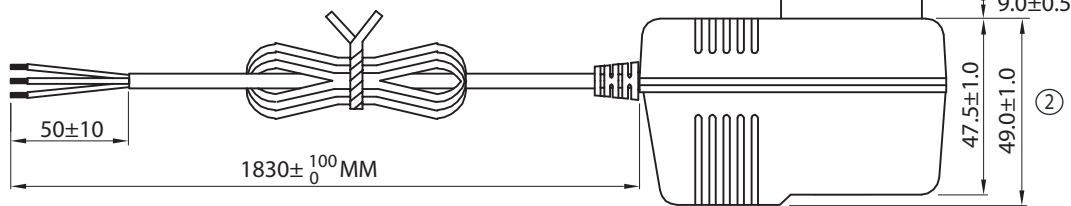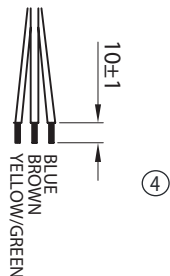
	REVISED	DRAWN	APPROVED
①	AMENDED PACKING QTY AND CARTON SIZE	JACKY 10/08/09	GARY 10/08/09
②	ADDED DATE CODE ON CASE AND DIMENSIONS	JACKY 07/12/09	GARY 07/12/09
③	ADDED PASSED LABEL ON CARTON	TODD 22/12/10	JACKY 22/12/10
④	AMENDED AC PINS DIMENSION & ADDED WIRES COLORS	ANLEI 01/11/12	ANLEI 01/11/12
⑤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

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

Bottom view:
- MODEL : 16VAC1500/6
- INPUT : 240 a.c. 50Hz 133mA
- OUTPUT : 16V a.c. 1.5A
- APPROVAL NO .: N15211
- CAT NO : EI-48Q SERIES
- EFFICIENCYLEVEL :
- 59.0±1.0
- 87.5±1.0
- NAME PLATE Artwork supplied
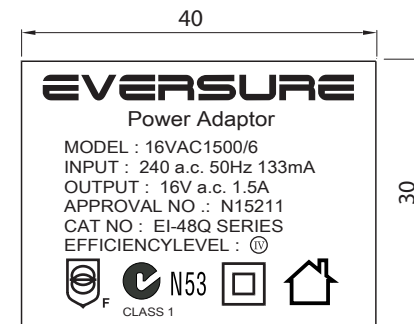
LABEL ARTWORK:
- 40
- 30
- **EVERSURE** Power Adaptor
- MODEL : 16VAC1500/6
- INPUT : 240 a.c. 50Hz 133mA
- OUTPUT : 16V a.c. 1.5A
- APPROVAL NO .: N15211
- CAT NO : EI-48Q SERIES
- EFFICIENCYLEVEL : Ⓘⓥ
- F, CLASS 1, N53
- LABEL ARTWORK
- Black word on Silver base label

TITLE BLOCK:

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
UNIT	MM	DRAWN	KEVIN	APPROVED	FRANK 30/04/09	CUSTOMER: TE			X.= +/-1 .X=+/-0.5
SCALE	NTS	MANU:				DATE:			.XX=+/-0.2

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℃ max. For input coil (By resistance method) and 55℃ 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)**

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
UNIT	MM	DRAWN	KEVIN	APPROVED	FRANK 30/04/09
SCALE	NTS	MANU:			

ORDER REF: 0420   SHEET 2 OF 3

CUSTOMER: TE

DATE:

TOLERANCES UNLESS OTHERWISE STATED
X.= +/-1
.X=+/-0.5
.XX=+/-0.2

1 PC/WHITE BOX

PART NO: 16VAC1500MPS/6
16VAC 1500mA 3 WIRE-MEPS

BLACK PRINTING

PART NO: 16VAC1500MPS/6
16VAC 1500mA 3 WIRE-MEPS

95

70

120

20 BOXES/CARTON ①

ADHESIVE TAPE

SHIPPING CARTON
PLEASE FOLLOW ORDER TO PRINT SHIPPING MARKS.

(CUSTOMER NAME)

P/O:
C/NO:
MADE IN CHINA

P/O:
PART NO:
DESC:

Q'TY: PCS
N.W: KGS
G.W: KGS
MEAS:
DATE:

165

255

490

①

RoHS
COMPLIANT
PASSED
QC Report No.:
Checked by :
Inspect date :

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

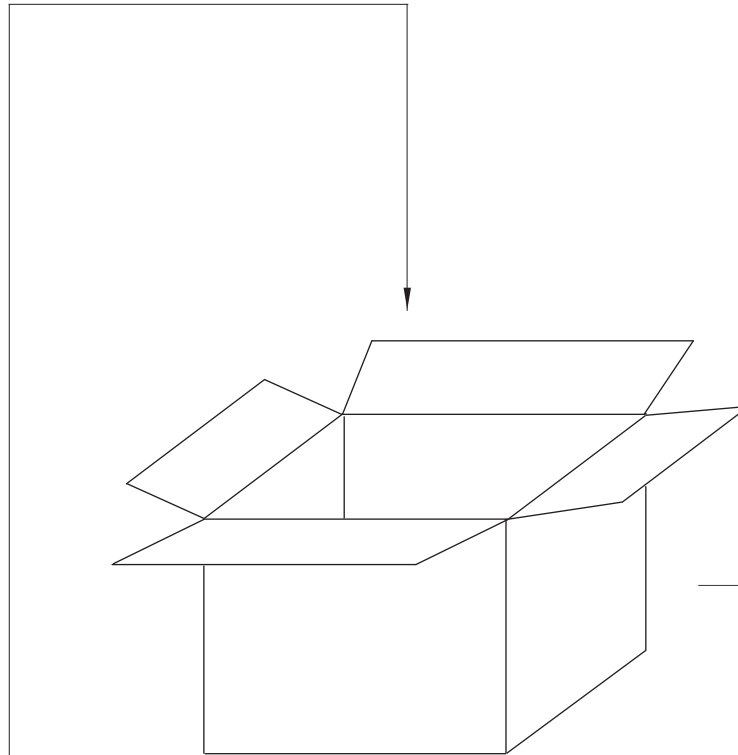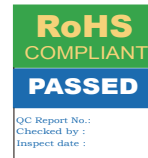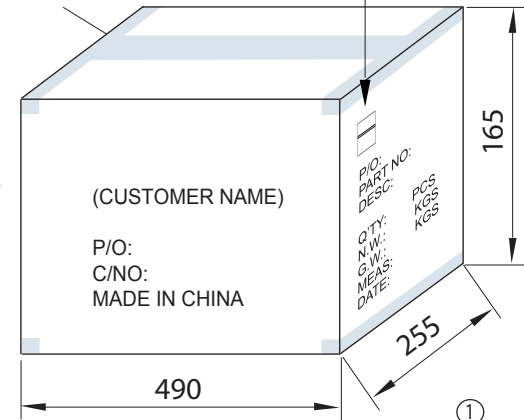|	REVISED	DRAWN	APPROVED
①	AMENDED PACKING QTY AND CARTON SIZE	JACKY 10/08/09	GARY 10/08/09
②	ADDED DATE CODE ON CASE AND DIMENSIONS	JACKY 07/12/09	GARY 07/12/09
③	ADDED PASSED LABEL ON CARTON	TODD 22/12/10	JACKY 22/12/10
④	AMENDED AC PINS DIMENSION & ADDED WIRES COLORS	ANLEI 01/11/12	ANLEI 01/11/12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

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

Specifications TELLC0280

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

Colour: Ivory.