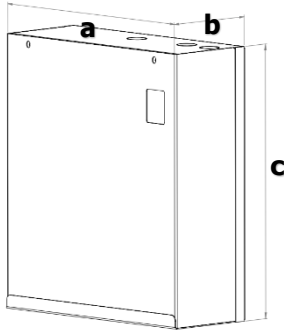


Mechanical Information



	TPU-8125	TPU-8245
a	268	310
b	102	102
c	300	300

All measurements are in mm.



1922

Bilgi Elektronik San. ve Tic. A.Ş.

Dudullu OSB 1. Cad. İsmet Tarman İş Merkezi
No:1 Kat:2/32 Ümraniye, İstanbul, Türkiye

18

1922-CPR-0991

EN 54-4:1997, EN 54-4:1997/AC:1999, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006

Power supply equipment for fire detection and fire alarm systems for buildings

TPU-8245

Other technical data: see Doc. BİLGİ-TEC-180402 held by the manufacturer.

Manufacture

Bilgi Elektronik San. ve Tic. A.Ş.

Dudullu Organize Sanayi Bölgesi 1. Cadde İsmet Tarman İş Merkezi
No:1 Kat:2 No:32 Ümraniye / İstanbul

Telephone: +90 216 455 88 46 Fax: +90 216 455 99 06

Sales: sales@bilgielektronik.com.tr

Technical Support: support@bilgielektronik.com.tr



* 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

TPU-8125 / TPU-8245

12/24Vdc 5A External Power Supply Installation & Operating Guide



Issue Date: 02/04/2018

Rev:00

Important Warnings

General

- ✓ Before using the device read this manual carefully. Keep it just in case of necessity.
- ✓ Abide all the rules and precautions stated in the manual. Follow all the instructions one by one.
- ✓ Keep the devices away from water and moisture

Conditions

Do not energize the device above or below the given limits of extreme hot or cold conditions,
Temperature: Between -10°C and +55°C
Relative Humidity: %95 RH max

Service

Do not try to fix the device on your own. Removal of cover may end up with electricity shock.

In case of any defect or malfunction, contact with your dealer or with authorized service. All the technical interventions have to be done by technicians of company.

Warning: Do not attempt to remove the electronic board from its plastic case. The electronic board is closed for your safety. Users should avoid from interference.

Malfunctions that require technical service

In case of any malfunction or below conditions contact with your authorized service,

- ✓ When Mains cable or the plug is harmed,
 - ✓ Contact of device with a fluid,
 - ✓ Exposure of rain and water,
 - ✓ Fell down of device or harmed outer cover,
 - ✓ Serious performance fall on the device,
 - ✓ Depending on the instructions stated in manual, if your device not working properly
- Contact with your authorized service in such terms.

Maintenance on your own

Do not try to fix the device on your own. Removal of cover may end up with electricity shock. In case of any defect or malfunction, contact with your dealer or with authorized service. All the technical interventions have to be done by technicians of company. Device must be cleaned up with a dry fabric. No-chemicals are allowed for cleaning

Transportation

Device must be carefully transported avoiding all physical bump, stroke and possible fluid entry. Malfunctions that caused by improper transportation is not under warranty.

Human and Environmental Health

This device contains no chemical or biological elements that could harm human condition.

General Information

The TPU-8125 and TPU-8245 are 12 / 24Vdc 5A uninterruptible power supplies with an intelligent battery charger unit designed for use in systems requiring external power supply. The device allows for use with both 7Ah and 12Ah chargers, depending on the needs of the user.

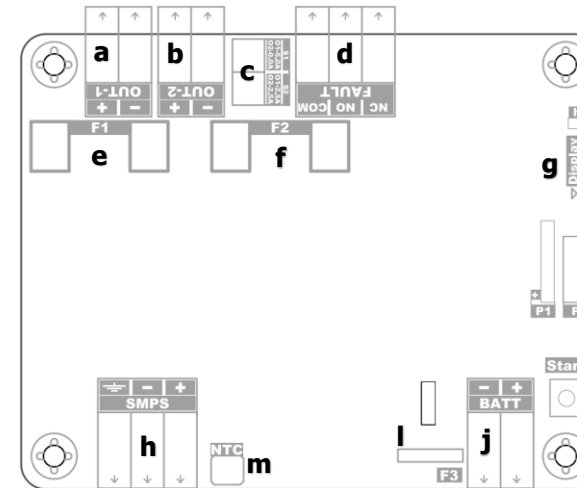
General Features

- Selectable single or double output
- 7Ah or 12Ah battery support
- Dry contact relay output in case of error
- Status indicator LEDs for easy fault identification
- Temperature compensated, intelligent battery charging circuit
- Protection against short circuit and overload conditions
- Totally enclosed and robust construction

Technical Specifications

Models	TPU-8125	TPU-8245
Standart	-	EN 54-4
Supply		
Input Voltage	200~240Vac 50/60Hz	200~240Vac 50/60Hz
Output Voltage	10~12Vdc ±%2	20~24Vdc ±%2
Number of Outputs	2	2
Output Current (S1 off, S2 on)	Output-1: 5,0A Output -2: 0,0A	Output -1: 5,0A Output -2: 0,0A
Output Current (S1 on, S2 off)	Output -1: 2,5A Output -2: 2,5A	Output -1: 2,5A Output -2: 2,5A
Output Fuse (F1-F2)	2x3A(not resettable)	2x3A(not resettable)
Battery	1x12V, 7Ah 1x12V, 12Ah	2x12V, 7Ah (Yuasa NP7-12) 2x12V, 12Ah (Yuasa NP12-12)
Battery CutOff Voltage	10Vdc	20,5Vdc
Battery Internal Resistance Fault	>1,5Ω	>1,5Ω
Greatest Current to be drawn from the Battery	5A	5A
Charging Voltage	13,8Vdc @20°C (Temperature Compensated)	27,6Vdc @20°C (Temperature Compensated)
Charging Current	1A	1A
Battery Fuse (F3)	1,85A	1,85A
Imin	20mA	20mA
ImaxA	4A	4A
ImaxB	5A	5A
Outputs		
General Error Relay	1 piece NC/NC 30V 2A	1 piece NC/NC 30V 2A
Environmental Conditions		
Temperature	-10°C ~ 55°C (14°F ~ 131°F)	-10°C ~ 55°C (14°F ~ 131°F)
Humidity	95% RH (max)	95% RH (max)
Mechanical		
Dimensions (H x W x D)	268x102x300	310x102x300
Housing Material	Metal RAL7305 Texture	Metal RAL7305 Texture
Weight (Witout Battery)	2,65kq	3,25kq
IP	IP30	IP30
Leds		
System (Green - Fixed)	If there is no system error, will be fixed light.	
Power Error (Yellow - Blinking LED / 1sec)	Blinks when there is an error in the main supply or charging circuit	
Battery Error (Yellow - Blinking LED / 1sec)	Blinks at any battery level	

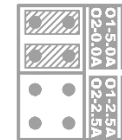
Connections



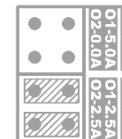
- a: Output-1
- b: Output-2
- c: Output selection jumper
- d: Error relay
- e: Output-1 fuse (3A)
- f: Output-2 fuse (3A)
- g: Display connector
- h: Main supply input
- j: Backup input
- k: Startup key from backup source
- l: Charge insurance (1.85A)
- m: Temperature sensor

Output Selection

The output selection can be done with "output selection jumpers" indicated by "c" on the card.



When the selection jumper is in the S1 position;
Output-1: 5,0A



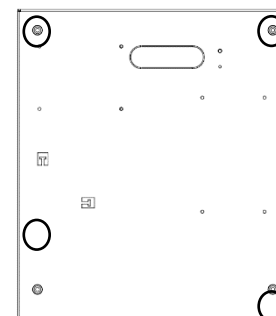
When the selection jumper is in S2 position;
Output-1: 2,5A
Output-2: 2,5A

Warning: Always disconnect the card's electrical connection before changing the output selection jumper!

Note: Do not connect jumper to positions S1 and S2 at the same time!

Installation

Mount the wall from the marked holes with the mounting screws coming out of the product box.



4 x Mounting hole

Important note:

- 1- Scotch 27 Adhesive Glass Tape should be fixed on the Temperature Sensor Battery on the card.
- 2- Secure with a Scotch 4011 Double Sided Band on metal casks before using on pouches.