

TPS 1215/2415

EXTERNAL POWER SUPPLY USER MANUAL

Issue Date: 03/04/2015



IMPORTANT NOTIFICATIONS:

Before operating devices, read this manual carefully and save it to use later. Read all notifications and protections carefully that is written in this manual. Apply all management and using instructions respectively. Keep devices away from water and humidity. Mount the device sturdy to the panel box.

TECHNICAL SPECIFICATION

Electrical

Output Voltage Range	20 ~ 28Vdc	10 ~14Vdc
Output Max Current	1.5A	
Input Voltage Range	100 V AC - 240 V AC	
Input Frequency	50 Hz - 60 Hz	
Battery (Yuasa NP7-12) *	2*12V 7Ah	1*12V 7Ah
Battery Charge Voltage*	27.6V @ 20°C	13.6V @ 20°C
Over Discharge Protection*	< 20V	< 10V
Charge Time*	24 saate %80	

Mechanics

Housing color	RAL9006(Gri)	
Dimensions (installed)	300x220x85	300x220x85

Environmental Considerations

Operating Temperature	0°C ~ +45°C
Relative Humidity	%95 @+40°C

* Above conditions is achieved by using new Yuasa NP7-12 batteries.

** Product to protect the batteries cannot start to work directly from the battery. TPS1215/2415 always needs AC utility for start to work.

SERVICE:

Since there are no components which can be repaired by you on the device, do not attempt to repair device yourself. In case of any malfunction please contact your dealer or authorized service. Technical response to the device must be performed by qualified service personnel.

CONDITIONS REQUIRING TECHNICAL SERVICE:

Since wrong operations may occur new malfunctions, Please contact your authorized service or dealer in case of any malfunction or following cases happen.

- ✓ If device dropped or the cover damaged,
- ✓ If there is a noticeable performance change on the device,

- ✓ If the device do not operating due to management and using instructions that are described in manual,
- ✓ If the device do not operating due to correct environment conditions.

SPARE COMPONENTS:

Be sure technician use original or equivalent component due to risk of electrical shock of another malfunction if repair process will be realized by changing components.

SAFETY CHECK:

In order to check if the device operating in secure conditions or not, please request technical service from an authorized dealer.

CARRIAGE AND TRANSPORTING

Device should be carrying carefully. Device is not exposed any impact and not allowed the liquid entrance from outside. Warranty does not cover defects that occur during improper carrying.

HUMAN AND ENVIRONMENT HEALTH

This device doesn't consist any chemical or biological substance which can damage human health.

MOUNTING AND OPERATING INSTRUCTIONS

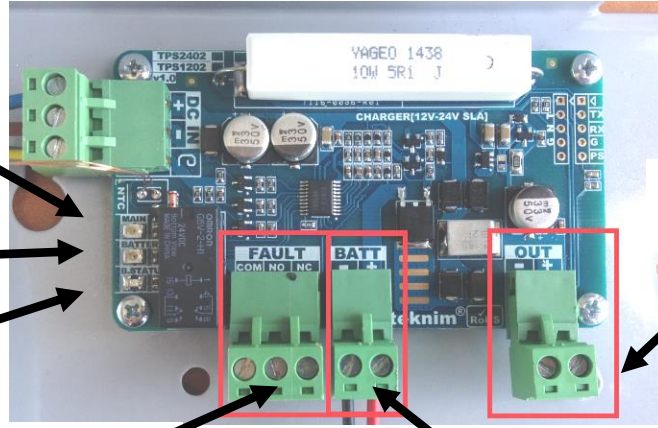
- ✓ TPSxx15 board can be used in VAP3xx and VAP4xx panels as uninterruptible power supply (UPS).
- ✓ A transformer feeds this supply and it prevents detectors and other equipments which are connected to panel from supply problems.
- ✓ Panel box consists input/output cable paths to printed circuit board (PCB).
- ✓ For battery connection, (+) and (-) poles of battery will be connected as positive pole on the right and negative pole on the left when it holds on the way of writing "BATT" on TPSxx15 can be read.
- ✓ Components, which will be fed by output terminals, should be connected according to directive on themselves.
- ✓ 12V models should be used with single battery and 24V models should be used with double battery. (We recommend to use Yuasa NP7-12 batteries)
- ✓ There are contacts on the TPSxx15 that show error conditions. By this way, if supply voltage is interrupted, audible and visual warning can be taken optionally via connection to the outputs of that contacts

CONNECTION DIAGRAM

Main Led: : Output is supplied from SMPS. (Green Color)

Battery Led : Output is supplied from battery.(Green Color)

Battery Status Led: (Blue Color)
- On: No battery
- Blinking: Low battery voltage
- Off : Battery voltage is good



FAULT RELAY CONNECTION

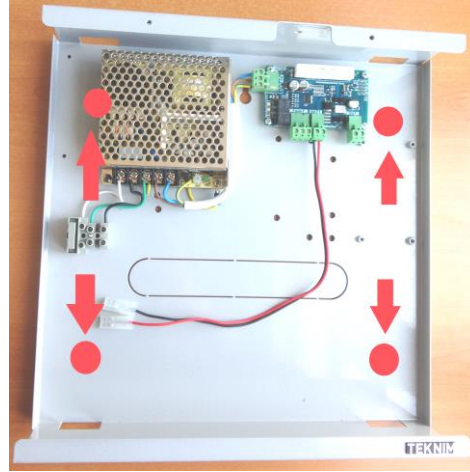
BATTERY CONNECTION

OUTPUT CONNECTION

WALL MOUNTING



TPS-1215



TPS-2415

You can mount your power supply to wall with screws which inside the packing box like above marked places.

MANUFACTURER

Bilgi Elektronik A.Ş.

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