Premier PSU Monitor

INSTALLATION INSTRUCTIONS

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Introduction

The *Premier PSU Monitor* allows a *Premier* series control panel to fully monitor the status of either a standard Texecom *PSU200* or any other manufactured PSU that provides voltage free fault outputs.

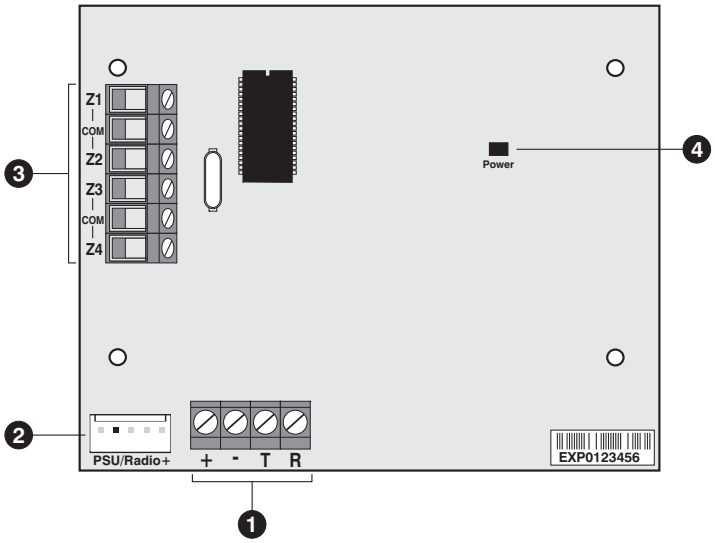
Supported Control Panels

The *Premier PSU Monitor* can be used with following *Premier* control panels:

Control Panel	Supported From	Max. per System
Premier 24	V7.50	1
Premier 48	V7.60	1
Premier 88	V7.60	1
Premier 168	V7.60	2 (1 per network)
Premier 640	V7.30	8 (1 per network)

PCB Layout and Connections

The figure below shows the PCB layout of the *Premier PSU Monitor*:



① Network connection terminals.

② *PSU200* communication port.

③ Fault monitor inputs (Normally Closed):
Z1 = AC Fail Input
Z2 = Battery Fault Input
Z3 = Output Fail Input
Z4 = Tamper Input

④ Power indicator LED.

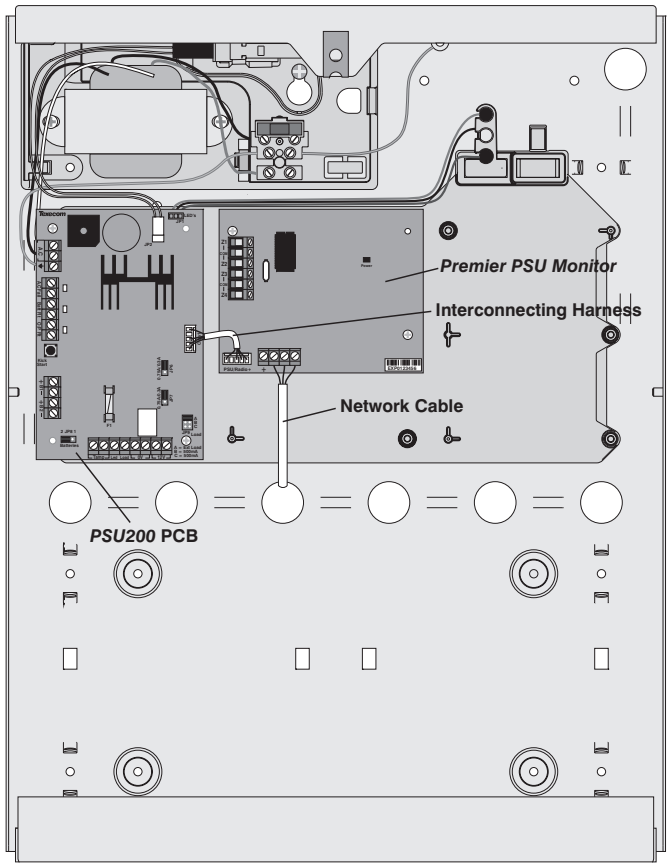
Installation with a *PSU200*

1) It is strongly recommended that the system is completely powered down (mains and battery) before making any connections.

2) Remove the cover of the *PSU200*.

3) Locate the *Premier PSU Monitor* PCB on to the plastic fixing plate and secure with screws provided using the top left and bottom right fixing holes.

4) Connect the supplied harness lead between the *PSU200* (Com1) and the *Premier PSU Monitor* (PSU/Radio):



5) Connect the control panel network cable to the network terminals (Do **NOT** connect the + terminal).

6) Defeat the *PSU200* case tamper by replacing the cover screw then re-apply power to the system.

7) Ensure the following hardware monitoring options are enabled in the "Monitor Hardware" options in the control panel:

Power Failure

Aux Fuse Blown

Battery Faults

8) Remove the cover screw from the *PSU200*, this will generate a tamper alarm. The *Premier 24* control panel indicates "27 PSU Tamper". The *Premier PSU Monitor* is referred to as device 27 on the *Premier 24* control panel. The *Premier 48*/*88*/*168*/*640* control panels indicate "PSU Tamper X,0" (where X is the network number).

9) Defeat the *PSU200* case tamper by replacing the cover screw, and then reset the control panel. Remove the mains power to the *PSU200*, once the mains has been off for the duration of the AC Off Delay, the *Premier 24* control panel indicates "27 AC Failed". The *Premier 48*/*88*/*168*/*640* control panels indicate "PSU AC Fail X,0".

10) Re-apply the mains power to the *PSU200* and reset the previous faults. Remove the battery lead from the standby battery this will generate a battery fault after about 30 seconds. The *Premier 24* control panel indicates "27 Bat 1 Faulty". The *Premier 48*/*88*/*168*/*640* control panels indicate "PSU Battery X,0".

11) Re-connect the battery lead and reset the battery fault. Remove the output fuse from the *PSU200* this will generate a fuse fail alarm. The *Premier 24* control panel indicates "27 Fuse Failed". The *Premier 48*/*88*/*168*/*640* control panels indicate "PSU Lo-Volts X,0".

12) Replace the output fuse and reset the control panel.

13) Refit the front cover of the *PSU200*.

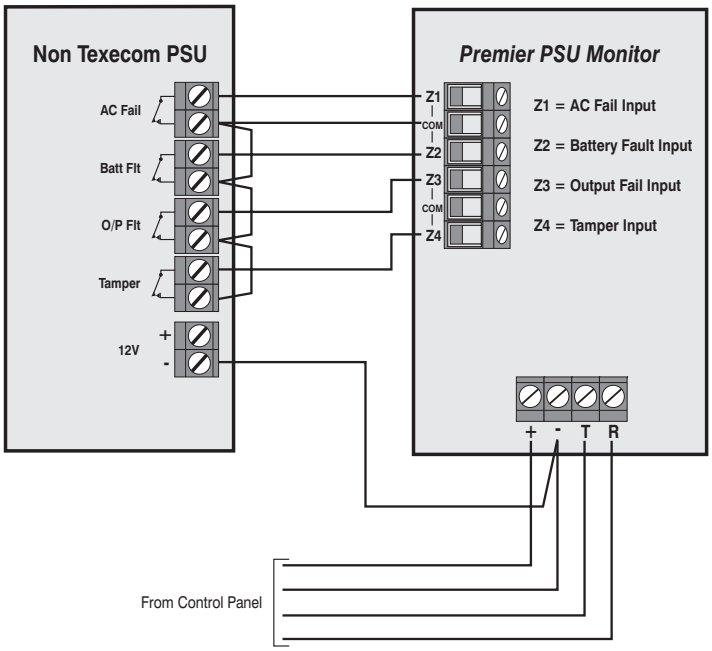
Installation with other Manufacturer PSU's

1) It is strongly recommended that the system is completely powered down (mains and battery) before making any connections.

2) Remove the cover of the PSU.

3) Locate the *Premier PSU Monitor* PCB in a convenient position inside the PSU and secure in place with the self adhesive feet provided.

4) Connect the fault outputs from the PSU to the *Premier PSU Monitor* inputs:



5) Connect the control panel network cable to the network terminals.

6) Defeat the PSU case tamper by replacing the cover screw then re-apply power to the system.

7) Ensure the following hardware monitoring options are enabled in the "Monitor Hardware" options in the control panel:

Power Failure

Aux Fuse Blown

Battery Faults

8) Remove the cover screw from the PSU, this will generate a tamper alarm. The *Premier 24* control panel indicates "27 PSU Tamper". The *Premier PSU Monitor* is referred to as device 27 on the *Premier 24* control panel. The *Premier 48*/*88*/*168*/*640* control panels indicate "PSU Tamper X,0" (where X is the network number).

9) Defeat the PSU case tamper by replacing the cover screw, and then reset the control panel. Remove the mains power to the PSU, once the mains has been off for the duration of the AC Off Delay, the *Premier 24* control panel indicates "27 AC Failed". The *Premier 48*/*88*/*168*/*640* control panels indicate "PSU AC Fail X,0".

10) Re-apply the mains power to the PSU and reset the previous faults. Remove the battery lead from the standby battery this will generate a battery fault after about 30 seconds. The *Premier 24* control panel indicates "27 Bat 1 Faulty". The *Premier 48*/*88*/*168*/*640* control panels indicate "PSU Battery X,0".

11) Re-connect the battery lead and reset the battery fault. Remove the output fuse from the PSU this will generate a fuse fail alarm. The *Premier 24* control panel indicates "27 Fuse Failed". The *Premier 48*/*88*/*168*/*640* control panels indicate "PSU Lo-Volts X,0".

12) Replace the output fuse and reset the control panel.

13) Refit the front cover of the PSU.

Specifications

Electrical

Operating Voltage:	10 -14VDC
Current Consumption:	25mA

Environmental

Operating Temperature:	-10°C to +55°C
Maximum Humidity:	95% non-condensing

Physical

Dimensions:	94mm x 75mm x 15mm
Packed Weight:	50g

Standards

Control Panel Standard:	TS 50131-3 Grade 3 Environmental Class II.
System Standard:	Suitable for use in systems designed to comply with BS EN50131-1, PD 6662: 2004

CE

The *Premier PSU Monitor* conforms to European Union (EU) Low Voltage Directive (LVD) 73/23/EEC (amended by 93/68/EEC) and Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC).

The CE mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.

Warranty

All Texecom products are designed for reliable, trouble free operation. Quality is carefully monitored by extensive computerised testing. As a result the *Premier PSU Monitor* is covered by a two-year warranty against defects in materials or workmanship.

As the *Premier PSU Monitor* is not a complete alarm system but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the control panel failed to function correctly.

Due to our policy of continuous improvements Texecom reserve the right to change specification without prior notice.

Premier is a trademark of Texecom Ltd.

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