Power Supply Module V1.0

(DGP2-PS17)

Instructions

DGP2PS17-EI05

Introduction

The Power Supply Module (DGP2-PS17) is a fully supervised 1.7A* switching power supply that is connected to the combus of a DGP-848 or EVO96 control panel.

* Maximum 200mA for UL approved installations.

Installation

The DGP2-PS17 is connected to the control panel's combus in a star and/or daisy chain configuration. This 4-wire combus provides power and two-way communication between the control panel and all modules connected to it. Connect the four terminals labeled red, black, green and yellow of the DGP2-PS17 to the corresponding terminals on the control panel as shown in Figure 1 (refer to reverse side). Connect the PGM output of the DGP2-PS17 as shown in Figure 1, Inset 2 (refer to reverse side).

Auxiliary Output

The DGP2-PS17's auxiliary output provides up to 12Vdc. Connect devices to the auxiliary terminals as shown in Figure 1 (refer to reverse side). A fuseless circuit protects the auxiliary output against current overload and autimatically shuts down if the current exceeds 1.1A.

Programming Method

To program the DGP2-PS17, you must enter the *"Module Programming Mode"* using any keypad in the system:

1) Press and hold the **[0]** key.
2) Key in the **[INSTALLER CODE]**.
3) Key in section **[953]** (DGP-848) / **[4003]** (EVO96).
4) Key in the DGP2-PS17's 8-digit **[SERIAL NUMBER]**.
5) Key in the 3-digit **[SECTION]** you wish to program.
6) Turn the desired option ON/OFF or key in the required data.

Please note that the serial number is located on the DGP2-PS17's PC board. The DGP2-PS17 can also be programmed using the control panel's *Module Broadcast* feature as well as through the WinLoad Software (V2.0 or higher). Refer to the appropriate *Reference & Installation Manual* for more information on the *Module Broadcast* feature and to *WinLoad's Online Help* for information on programming with WinLoad.

Section [001] - Option [1]

Tamper Recognition

The DGP2-PS17 does not come equipped with a tamper switch. If your installation requires tamper recognition, enable this feature and connect a tamper switch as shown in Figure 1, Inset 1 (refer to reverse side). When a tamper is detected on the module, it will send a tamper report to the control panel via the combus. *Default: Option **[1]** is OFF.*

Section [001] - Option [2]

Battery Charging Current

Turning option **[2]** ON will set the battery charging current at 850mA. Turning option **[2]** OFF will set the battery charging current at 350mA. A battery charging current of 350mA will require more time to charge the battery compared to 850mA but will consume less power from the module itself. *Default: Option **[2]** is OFF.*

⚠ ***A 40VA transformer is required when selecting the 850mA battery charge current. Using a 20VA transformer with a battery charge current of 850mA may damage the system.***

Section [001] - Option [3]

PGM Deactivation Option

When the *PGM Activation Event* occurs, this option determines when the PGM will return to its normal state (deactivate). When option **[3]** is ON, the PGM will deactivate when the *PGM Timer* programmed in section [003] has elapsed. When option **[3]** is OFF, the PGM will deactivate when the *PGM Deactivation Event* programmed in sections [008] to [011] occurs. Default: Option **[3]** is OFF.

Section [001] - Option [4]

PGM Base Time Selection

If the *PGM Deactivation Option* (section [001] option **[3]**) is set to follow the *PGM Timer*, you must define whether the *PGM Timer* programmed in section [003] is in minutes or seconds. If option **[4]** is ON, the PGM Timer will be in minutes. If option **[4]** is OFF, the PGM Timer will be in seconds. *Default: Option **[4]** is OFF.*

Section [003]

PGM Timer

If the *PGM Deactivation Option* (section [001] option **[3]**) is set to follow the *PGM Timer*, the value programmed in section [003] represents how long the PGM will remain in its opposite state after being activated. To program the timer, enter a 3-digit decimal value (001-255) into section [003], where this value is multiplied by the *PGM Base Time Selection* (section [001] option **[4]**) of 1 second or 1 minute. *Default: 005.*

Sections [004] to [007]

PGM Activation Event

The PGM Activation Event determines which event will activate the DGP2-PS17's on-board PGM output. The Event Group specifies the event, the Feature Group identifies the source, and the Start # and End # sets the range within the Feature Group. Use the PGM Programming Table in the *Modules Programming Guide* to program the DGP2-PS17 PGM Activation Event. Enter the sections that correspond to the Event Group, Feature Group, Start # and End # of the PGM and enter the required data.

	Event Group	Feature Group	Start #	End #
PGM	[004]	[005]	[006]	[007]

⚠ **Only Event Groups 000 to 055 can be used to program the DGP2-PS17's PGM Activation Event.**

Sections [008] to [011]

PGM Deactivation Event

If the *PGM Deactivation Option* is set to follow the PGM Deactivation Event (Section [001] option **[3]**), the PGM will return to its normal state when the event programmed in sections [008] to [011] occurs. The Event Group specifies the event, the Feature Group identifies the source, and the Start # and End # sets the range within the Feature Group. Use the PGM Programming Table in the *Modules Programming Guide* to program the DGP2-PS17 PGM Deactivation Event. Enter the sections that correspond to the Event Group, Feature Group, Start # and End # of the PGM and enter the required data.

	Event Group	Feature Group	Start #	End #
PGM	[008]	[009]	[010]	[011]

⚠ ***Only Event Groups 000 to 055 can be used to program the DGP2-PS17's PGM Deactivation Event.***

Section [020]

PGM Test Mode

Entering section [020] will activate the PGM for 8 seconds to verify if the PGM is functioning properly.

Section [002]
AC Failure Report Delay

The value programmed in section [002] represents how long the Power Supply Module will wait before reporting an AC power failure to the control panel. To program the timer, enter a 3-digit decimal value (000 to 255 minutes) into section [002]. *Default: Instant reporting (000).*

Warranty

For complete warranty information on this product please refer to the Limited Warranty Statement found on the website www.paradox.com/terms. Your use of the Paradox product signifies your acceptance of all warranty terms and conditions.

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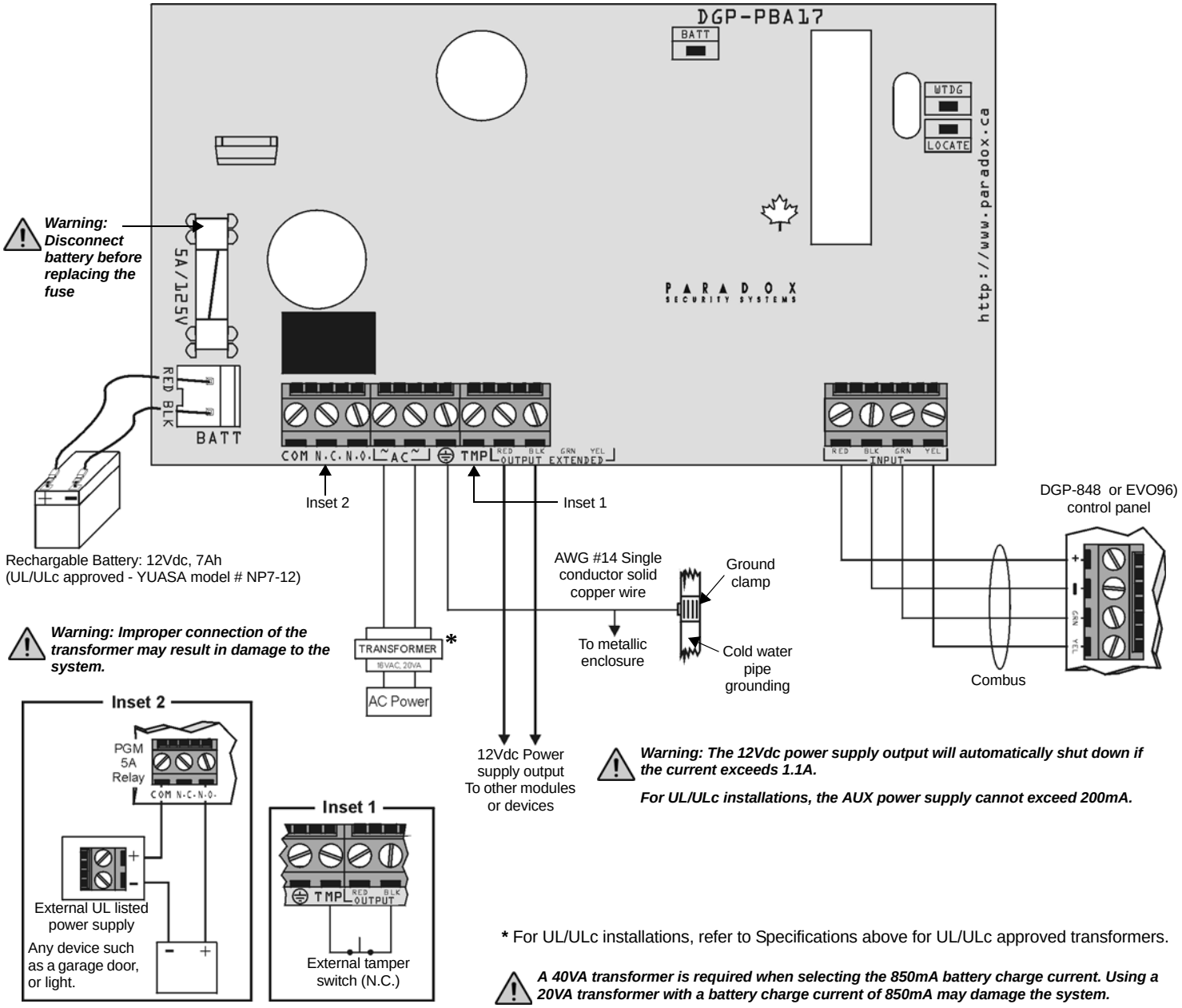
Specifications (Specifications may change without prior notice)

AC Power:	16Vac, 20/40VA, 50 - 60Hz
Aux. Power:	12Vdc, typical 600mA, 700mA max.
Battery:	12Vdc, 4Ah minimum
Number of Outputs:	1 form "C" relay rated @ 125V, 5A receptive load
Humidity:	85%
Control Panel Compatibility:	Any DGP-848 or EVO96 control panel

UL Requirements:

AC Power:	16Vac, 40VA, 60Hz (UL Listed Universal transformer - model # UB1640W or CSA certified Universal transformer - model # UB1640WC)
Aux. Power:	12 to 12.7Vdc, 200mA max.
Battery:	12Vdc, 7Ah minimum (YUASA - model # NP7-12)
Operating Temp.:	0°C to 49°C (32°F to 120°F)

Figure 1: Connecting the DGP2-PS17



***** For UL/ULc installations, refer to Specifications above for UL/ULc approved transformers.

A 40VA transformer is required when selecting the 850mA battery charge current. Using a 20VA transformer with a battery charge current of 850mA may damage the system.

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