



## Power Supply Module V1.0

(PS17)

### Instructions

PS17-EI07

#### Introduction

The Power Supply Module (PS17) is a fully supervised 1.7A\* switching power supply that is connected to the combus of a Digiplex control panel.

#### Installation

The 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 PS17 to the corresponding terminals on the control panel as shown in Figure 1 (refer to reverse side). Connect the PGM output of the PS17 as shown in Figure 1, Inset 2 (refer to reverse side).

#### Auxiliary Output

The 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 automatically shuts down if the current exceeds 1.1A.

#### Programming Method

To program the 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 [4003] (EVO) / [953] (DGP-848).
- 4) Key in the 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 PS17's PC board. The 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 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 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 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 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 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 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](http://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 Digiplex control panel

**Figure 1: Connecting the PS17**

