



4-PGM Output Module V2.0 (APR3-PGM4)



Instructions APR3PGM4D-EI01

SPECIFICATIONS

Power input:	9 to 16 Vdc
Number of outputs:	4 form "C" relays rated @ 125V, 5A resistive load
Current Consumption:	Typical 13mA, 150mA max. (all PGMs active)
Power-up indication:	Green LED illuminates
Proper operation:	Red LED flashes
Locate indication:	Green LED flashes
Network fault indication:	Green and red LEDs flash alternately
Humidity:	95% maximum
Compatibility:	Any Spectra control panel (V2.0 or higher) Any Digiplex or DigiplexNE control panel

INSTALLATION

The APR3-PGM4 is connected to the control panel's communication network. Connect the four terminals labeled **RED**, **BLK**, **GRN** and **YEL** of the module to the corresponding terminals on the control panel as shown in Figure 1 on the other side of this sheet. Refer to the *Digiplex or DigiplexNE Reference & Installation Manual* for the maximum allowable installation distance from the panel.

AUTO-PANEL RECOGNITION

This is a feature that allows the APR3-PGM4 to be used with either the Spectra, Digiplex or DigiplexNE. When connected to the bus/network, the APR3-PGM4 will automatically detect which system it is connected to and adjust its internal communication parameters accordingly. It allows the APR3-PGM4 to be connected to any Digiplex or DigiplexNE control panel as well as any Spectra control panel V2.0 or higher.

PROGRAMMING METHOD

To program the APR3-PGM4, 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-48) / **[4003]** (DGP-NE96).
- 4) Key in the APR3-PGM4'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 APR3-PGM4's PC board. The APR3-PGM4 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 *Digiplex or DigiplexNE 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 [2]

PULSED OUTPUT FOR FIRE ALARM

When a PGM is programmed with this feature and a fire alarm occurs in the system, the APR3-PGM4 will provide a pulsed fire alarm output for any PGM programmed with the Fire Alarm event as described in the *Digiplex or DigiplexNE Reference & Installation Manual* until the fire alarm is resolved. The PGM Deactivation Event(s) and the PGM Timer(s) for the PGM(s) programmed with this feature will be ignored.

How Do I Program a PGM as a Pulsed Output?

STEP 1: Enter Module Programming Mode

STEP 2: Enter section [001] and enable option [2]

Step 3: Enter the section corresponding to the desired PGM's Activation Event and program the *Fire Alarm* event. Enter:
 Sections [004] to [007] for PGM 1
 Sections [013] to [016] for PGM 2
 Sections [022] to [025] for PGM 3
 Sections [031] to [034] for PGM 4

SECTIONS: PGM1 - [004] TO [007]
PGM2 - [013] TO [016]
PGM3 - [022] TO [025]
PGM4 - [031] TO [034]

PGM ACTIVATION EVENT

The PGM Activation Event determines which event will activate the APR3-PGM4'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 *Digiplex/DigiplexNE Modules Programming Guide* to program the 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 #
PGM1	[004]	[005]	[006]	[007]
PGM2	[013]	[014]	[015]	[016]
PGM3	[022]	[023]	[024]	[025]
PGM4	[031]	[032]	[033]	[034]

SECTIONS: PGM1 - [008] TO [011]
PGM2 - [017] TO [020]
PGM3 - [026] TO [029]
PGM4 - [035] TO [038]

PGM DEACTIVATION EVENT

If the *PGM Deactivation Option* is set to follow the PGM Deactivation Event (Section [002] options **[1]**, **[3]**, **[5]** and **[7]**), the PGM will return to its normal state when the programmed deactivation event 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 *Digiplex/DigiplexNE Modules Programming Guide* to program the APR3-PGM4 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 #
PGM1	[008]	[009]	[010]	[011]
PGM2	[017]	[018]	[019]	[020]
PGM3	[026]	[027]	[028]	[029]
PGM4	[035]	[036]	[037]	[038]

SECTION [002] - OPTION [1] (PGM1)
 OPTION [3] (PGM2)
 OPTION [5] (PGM3)
 OPTION [7] (PGM4)

PGM DEACTIVATION OPTION

Each PGM can be programmed with a different PGM Deactivation Option. The control panel can deactivate an activated PGM one of two ways:

Option OFF = Deactivation Event:

The PGM will deactivate when the programmed PGM Deactivation Event occurs.

Option ON = PGM Timer:

The PGM will remain activated until its PGM Timer has elapsed, regardless of the PGM Deactivation Event.

SECTION [002] - OPTION [2] (PGM1)
 OPTION [4] (PGM2)
 OPTION [6] (PGM3)
 OPTION [8] (PGM4)

PGM TIME BASE SELECTION

Options [2], [4], [6] and [8] in section [002] define the time value for the corresponding PGM Timers. Each PGM can be programmed with a different PGM Time Base.

Option OFF = The PGM Timer is in seconds

Option ON = The PGM Timer is in minutes

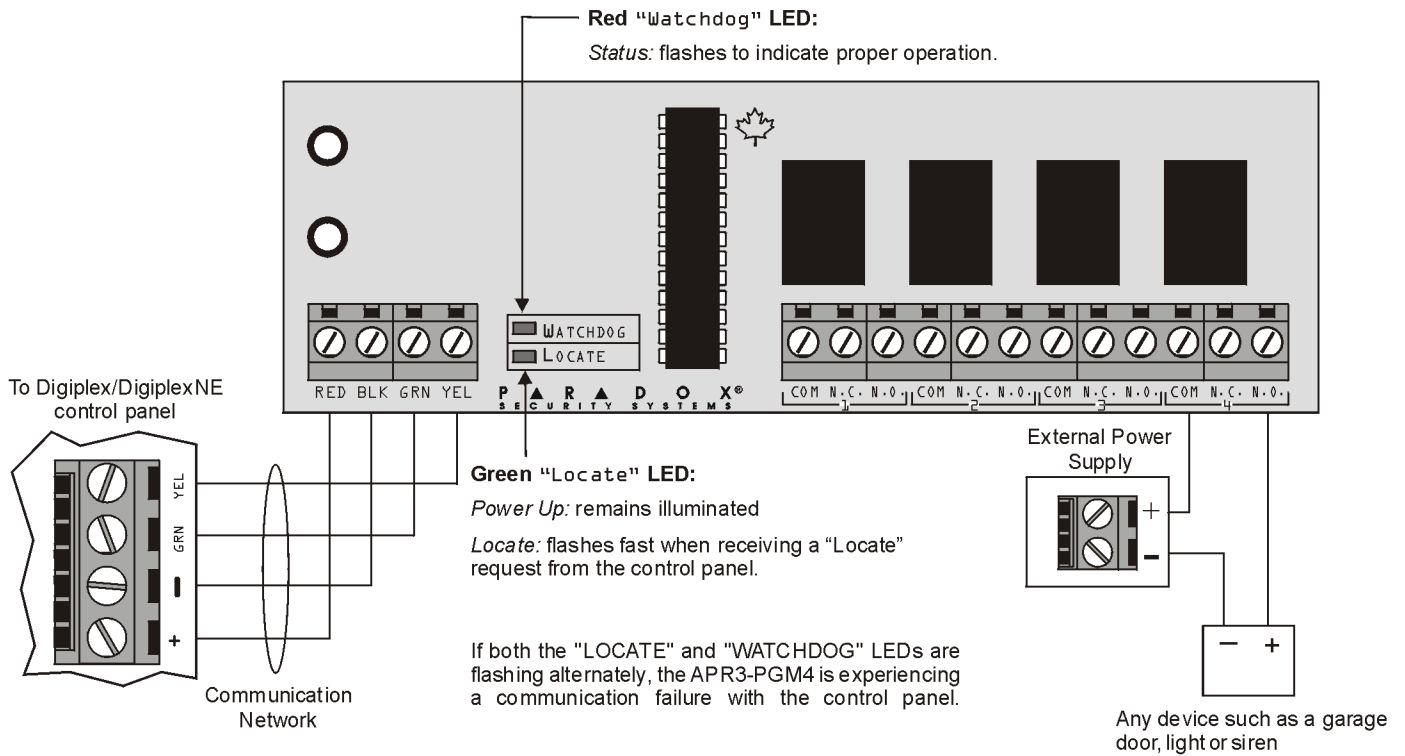
The Programming Guide for an APR3-PGM4 installed on a Digiplex or DigiplexNE system is included in the *Digiplex/DigiplexNE Modules' Programming Guide*.

SECTIONS: PGM1 - [003]
 PGM2 - [012]
 PGM3 - [021]
 PGM4 - [030]

PGM TIMER

Once a PGM output activates and its PGM Deactivation Option is set to follow the PGM Timer, the PGM will remain activated until the programmed value has elapsed. For each PGM enter a 3-digit decimal value between 001 and 255. Refer to the PGM Time Base Selection to determine whether the value will be in seconds or minutes.

Figure 1: 4-PGM Output Module connections to the Digiplex/DigiplexNE system



Remove A/C and battery from the control panel before adding the 4-PGM Output Module to the system. Refer to the Digiplex or DigiplexNE Reference & Installation Manual for the maximum allowable installation distance from the control panel.

