# PGM – Command Output 1 - 4

## NEO HS2016 / HS2032 / HS2064 / HS2128 v1.37+

The NEO v1.37+ has several PGM types that allow the PGM to trigger when a [*][7][X] Command Output is entered at the keypad, via a keyfob or even from Alarm.com.

PGM types that follow Command Output function:

- (121) Command Output 1 ~ [*][7][1]
- (122) Command Output 2 ~ [*][7][2]
- (123) Command Output 3 ~ [*][7][3]
- (124) Command Output 4 ~ [*][7][4]

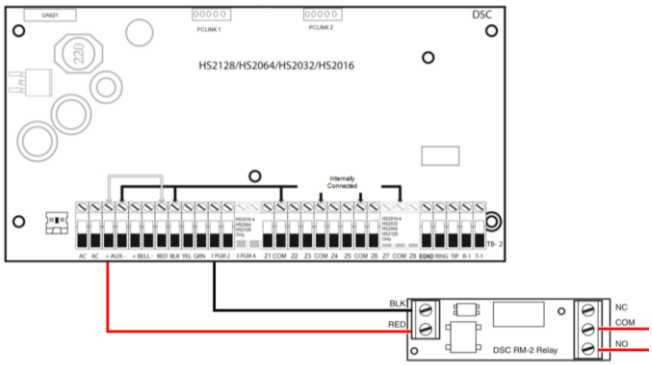
Any PGM available to the system can be programmed as any Command Output:

- Main panel – PGM1 – PGM4
- HSM2204 – PGM5 – PGM20
- HSM2208 – PGM37 – PGM164
- Keypad PGM – Assignment is programmable

➢ ***Tech Note:*** PGM1, 3, 4, 37 - 164 have up to 50mA current draw (12vDC)
PGM2 has up to 300mA current draw (12vDC)
PGM5 – 20 have up to 500mA current draw (12vDC)
Keypad PGM's have up to 50mA current draw (12vDC)

➢ ***Tech Note:*** The current provided can be used to trigger relays, sounders or LED's as long as you do not exceed the available current draw.

**PGM Wiring:**



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## Panel Programming:

[ ] = NEO Panel Section / Solid ~ Red Lock light in programming /
{ } = NEO Subsection / Single Flashing ~ Red Lock light in programming /
( ) = Data / Solid ~ Green Check light in programming /

Section [009] PGM Definition Programming
{XXX} PGM1 ( **121** ) – Command Output 1 ~ [*][7][1]
( **122** ) – Command Output 2 ~ [*][7][2]
( **123** ) – Command Output 3 ~ [*][7][3]
( **124** ) – Command Output 4 ~ [*][7][4]

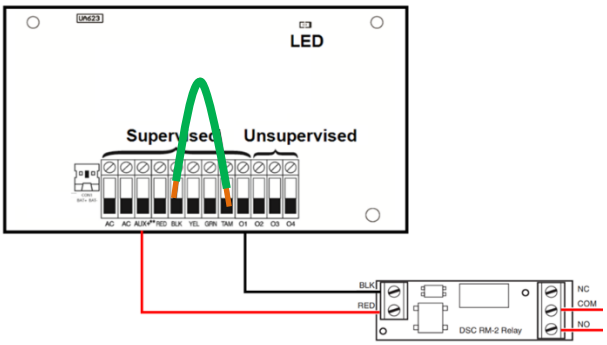
- ***Tech Tip:*** Change the Subsection {XXX} to the PGM# being programmed.

Once the [*][7][X] Command is entered (at a keypad, via a keyfob, or through Alarm.com) the status of the PGMs that are programmed to follow the command will change states.

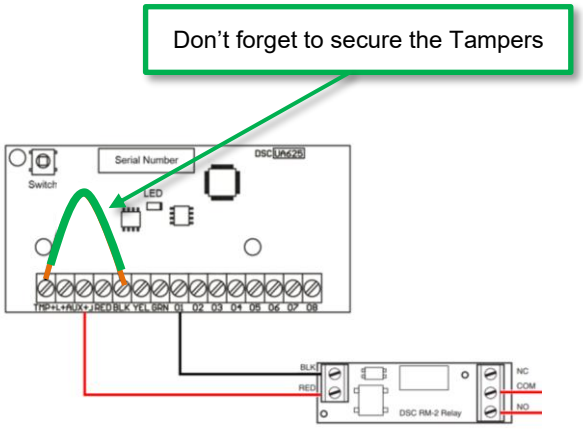
- ***Tech Tip:*** The PGM is always the Negative side in the NEO platform.

- ***Tech Tip:*** The PGM current draw might be part of the panel's power calculation. The Corbus, Aux+ and PCLink2 current draw calculations MUST not exceed 700mA. Plan accordingly.

## Alternative PGM Output Modules:




**HSM2204**




**HSM2208**

# PGM – Command Output 1 - 4

**PGM Definitions:** (as needed)

Section [009] {001 – 164}

**PGM Attributes:** (as needed)

Section [010] {001 – 164}

| | | |
|---|---|---|
| 121 – Command Output 1 | ☑ 01 – True Output<br>☐ 02 – Timed Output<br>☑ 03 – Code Required | ☑ Schedule 001 |
| 122 – Command Output 2 | ☑ 01 – True Output<br>☐ 02 – Timed Output<br>☐ 03 – Code Required | ☑ Schedule 001 |
| 123 – Command Output 3 | ☑ 01 – True Output<br>☐ 02 – Timed Output<br>☐ 03 – Code Required | ☑ Schedule 001 |
| 124 – Command Output 4 | ☑ 01 – True Output<br>☐ 02 – Timed Output<br>☐ 03 – Code Required | ☑ Schedule 001 |

**PGM Partitioning:** (as needed)

Section [007] {001 – 164}

**PGM Timers:** (if 'Timed Output' is used)

Section [008] {000 – 164}

**PGM Configuration:** (if Schedules' are used)

Section [011] {001 – 164}

- ***Tech Tip:*** Program the PGM sections in the order shown above. If the PGM definition is changed / altered, revisit the other sections as needed.

- ***Tech Tip:*** Do not use PGM definitions (103) Sensor Reset, (104) 2-Wire Smoke or (122) Command Output 2 in the same panel, as they all follow the [*][7][2] Command.