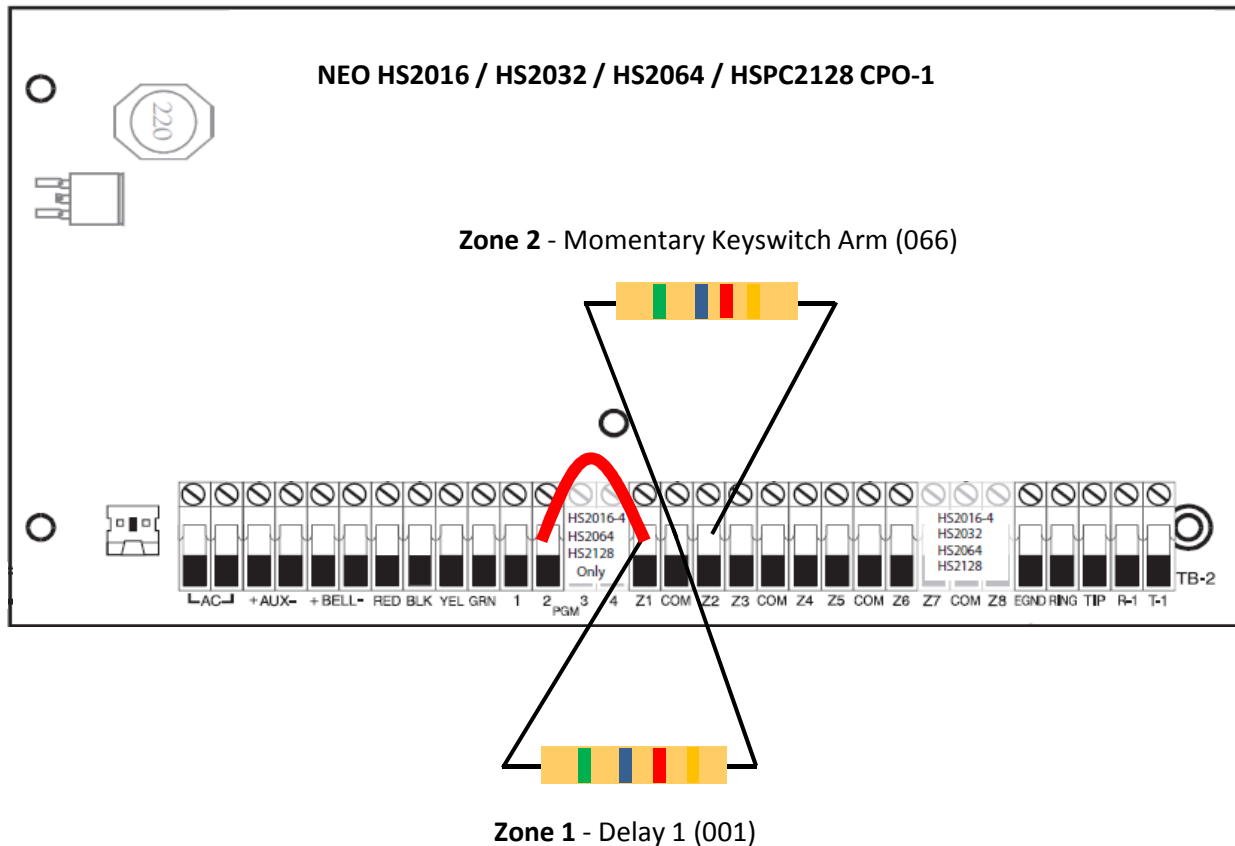


# NEO Keyswitch AWAY Arming / CPO-1

NEO HS2016 / HS2032 / HS2064 / HSPC2128 (CPO-1 only)



## Purpose:

In the NEO panels that are CPO-1 compliant, the Keyswitch Arming feature does not allow the system to be armed in the AWAY mode without the open/close status change of a Delay 01 zone type. Section [022] Option 8 does not pertain to the CPO-1 panels.

\*\*\* In order to arm the system in the AWAY mode using the Keyswitch Arm feature a Delay 01 zone type must be tripped once the system begins to arm.

## Conditions:

Zone 2 is programmed as a Momentary Keyswitch Arm (066).

The Keyswitch zone must be triggered for at least 500mS.

PGM2 is programmed as a Zone Follower (200) and assigned to follow Zone 2.

Zone 1 is a fictitious zone - used only to trigger the AWAY arming mode when the Keyswitch zone is triggered.

Zone 1 is programmed as a Delay 1 (001) and must have Force Arming enabled.

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## Wiring:

Zone 1 is strapped off with a 5.6k resistor.



Zone 2 is secured with a 5.6k resistor.

PGM2 is strapped to the Zone 1 terminal with a shorting wire.



The Keyswitch mechanism is wired as follows:

- If N/O - parallel the connections across the resistor on Zone 2 and COM
- If N/C - series the connections with the resistor on Zone 2 and COM

## Programming:

### Panel Programming:

<u>Section</u>	<u>Subsection</u>	<u>Data</u>	<u>Reason</u>
[001]	[001]	(001)	Program Zone 1 as a Delay 1 (001)
[001]	[002]	(066)	Program Zone 2 as a Momentary Keyswitch Arm (066)
[002]	[001]	5 ON	Toggle on Attribute 5 for Zone 1 - Force Arm ENABLED
[009]	[002]	(200)	Program PGM2 as a Zone Follower (200)
[011]	[002]	(002)	Program PGM2 to follow Zone 2

\*\*\* Assign Zone 1, Zone 2 and PGM2 to the same/desired partition as needed.

## Functionality:

When the Keyswitch zone is triggered to arm the partition, the PGM programmed as Zone Follower activates and provides a short to COM on Zone 1, thus causing Zone 1 to momentarily open and close. Resulting in the partition arming in the AWAY mode.

## Disclaimer:

This is a design build for a particular application. DSC and/or Daniel Johnson do not take responsibility for the reliability, operation, functionality or liability of using the documented procedure. The installer is responsible for testing, verifying and maintaining the operation.