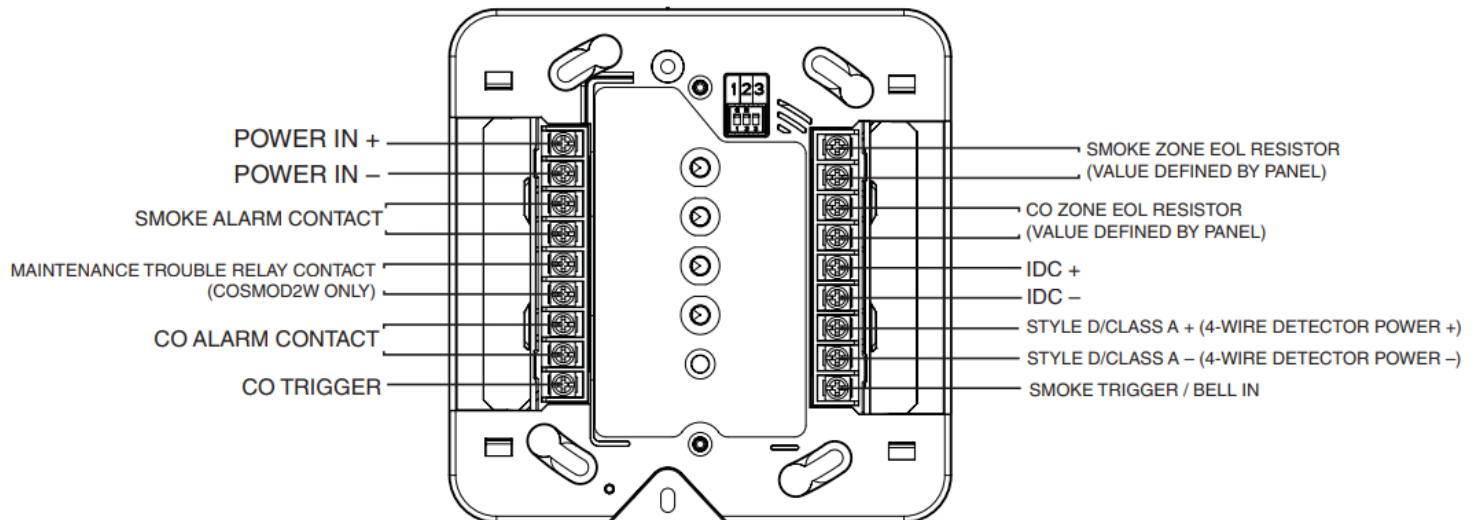




System Sensor – COSMOD2W

NEO HS2016 / HS2032 / HS2064 / HS2128 v1.35+



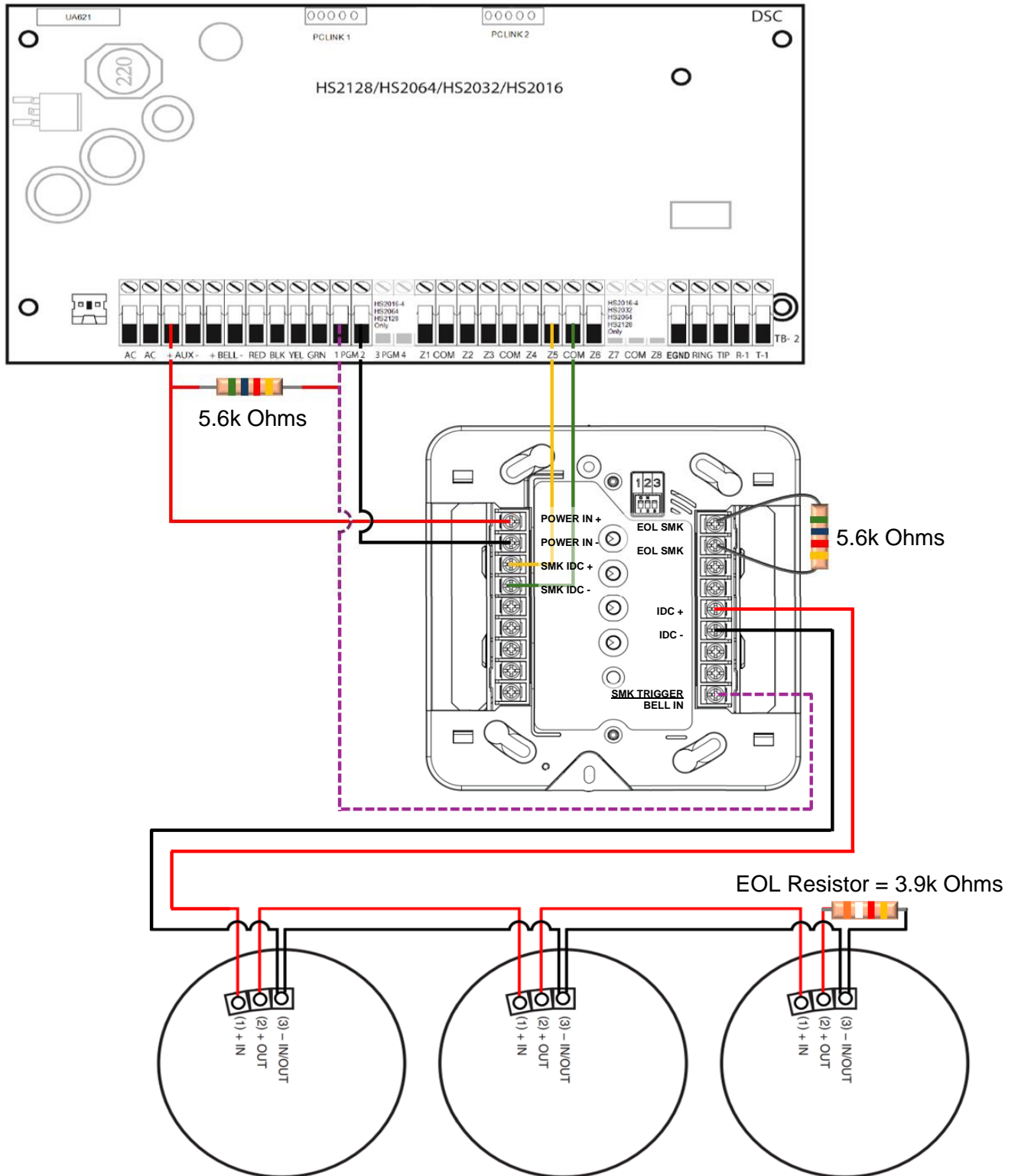
The PowerSeries NEO supports and is cross listed with the System Sensor COSMOD2W and System Sensor 2WTA-B 2-wire smoke detectors.

The 2-wire smoke loop is monitored by the NEO for three states of the fire circuit through the fire zone connection to the COSMOD2W (SMK IDC +, SMK IDC -).

- 5.6k resistance is a Normal state.
 - Reduction of resistance toward 0k is an Alarm state. (Detector alarm or short)
 - Increase of resistance toward ∞ is a Trouble state. (Loose or broken wire)
- **Tech Tip:** Test each smoke detector for alarm state and the loop for trouble state. Follow the manufacturer's instructions as needed for testing.
 - **Tech Tip:** Only use compatible 2-wire smoke detectors. Do not install other devices on the alarm circuit (e.g., heat detectors, manual pulls, etc.)
 - **Tech Tip:** Follow the manufacturer's installation instructions for testing, power calculations, operation, and installation requirements as needed.

System Sensor – COSMOD2W

Wiring:



System Sensor – COSMOD2W

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 [001] Zone Programming

{XXX} (008) Program the zone as (008) Standard 24-Hour Fire

Section [009] PGM Definition Programming

{001} (101) Program PGM1 as (101) Burg and Fire Bell Follower

{002} (103) Program PGM2 as (103) Sensor Reset

- **Tech Tip:** PGM2 will provide up to 300mA when programmed as (103) Sensor Reset.

Section [010] PGM Attributes

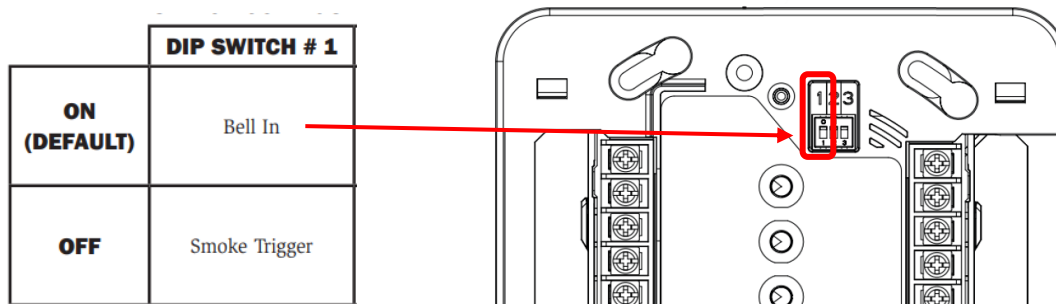
{001} Option 1 ~ True Output = 'N'

- **Tech Tip:** The PGM providing the fire alarm trigger MUST be inverted. The panel will not reset properly if the PGM is not inverted.

Section [013] Option 8 ~ Temporal Three Fire Signaling = 'Y'

COSMOD2W Setup:

The fire alarm output signal from PGM1 in this setup is coded as Temporal Three Fire Signaling, the COSMOD2W Dip Switch #1 MUST be set to 'ON'.



- **Tech Tip:** CO alarms will sound through the smoke detector sounders with four rapid beeps vs. the longer temporal three beeps of fire alarm.