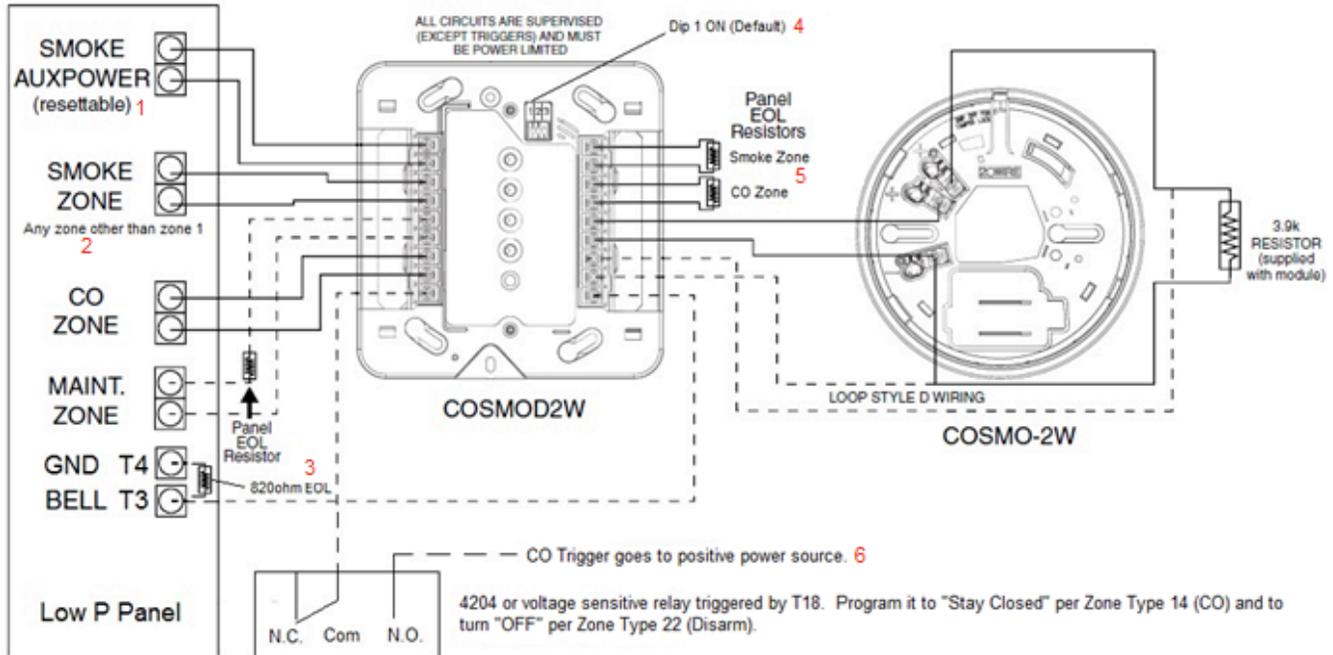


## Wiring System Sensor i4 Series on Honeywell Security Vista Low P Panels

This doc explains both 2-Wire and 4-Wire configurations with numbered denotations in red.

### 2-Wire



1 – Trigger 17 will only support ONE Cosmod2W and ONE smoke detector. If more are needed, either a 4204 relay or sensitive relay off T17 will be needed to reset using a different power source with more current. Any separate power supply used must be grounded to the panel. Upon resetting (COSMOD losing power), the CO zone, if used, will go into trouble. This will require additional disarm commands to clear troubles after the reset.

2 - The 2-wire units (COSMO2W and COSMOD2W) need to be wired to any zone other than zone 1. This is because the COSMOD2W requires a power reset, just like 4-wire smokes. The Low P panels will not initiate a reset via trigger or relay if the fire alarm is on zone 1. The Vista-10P will accept this on any zone since it does not have a 2-Wire smoke zone.

3 - On the 15P/20P panels rev 9+, newer 21iP and 10P panels, the 820ohm bell output resistor must be used to bring the bell supervision voltage down to 0 to get all smokes to sound, otherwise, you may get constant sound or no sound at all.

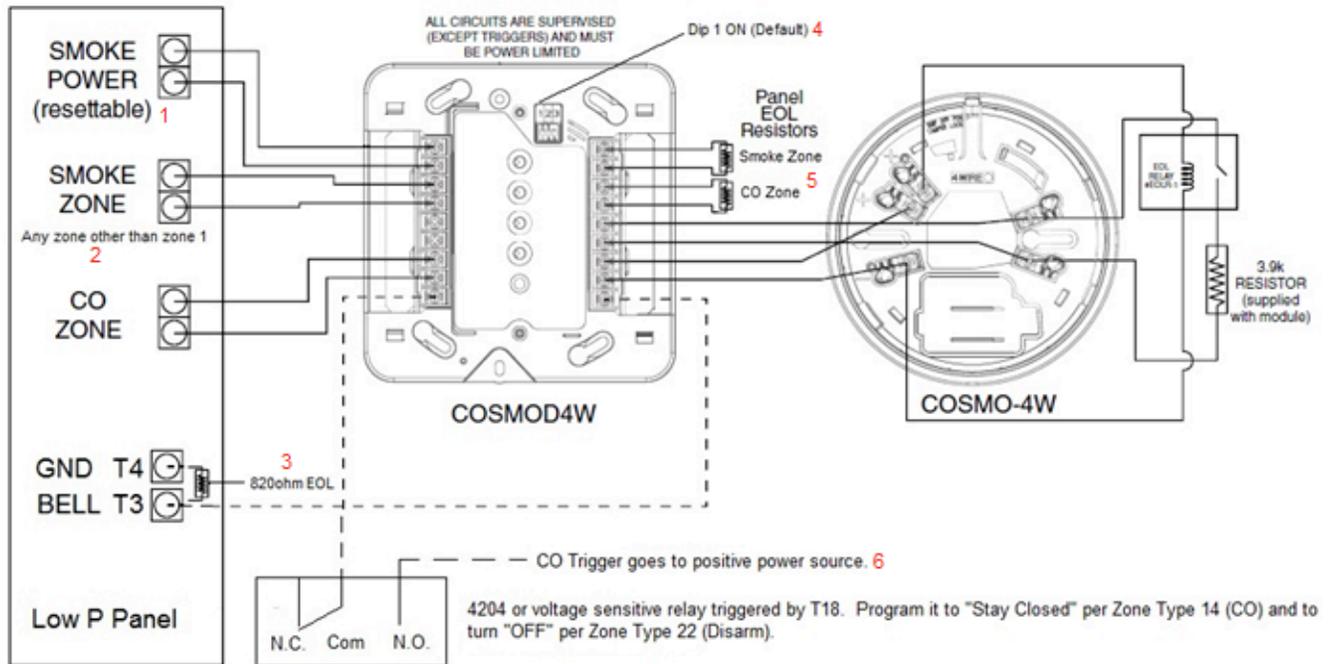
4 - Dip Switch 1 must be set to the ON position (default) on the COSMOD to accept a bell output trigger and sound all connected smokes/CO units. If this is OFF, a steady voltage is needed via relay.

5 - Our zone EOLR's must be connected to the COSMOD units. The smokes will use their own 3.9K resistor.

6 - The CO trigger input (causes all units to sound temp 4 for CO alarm) must be a positive voltage triggered by either a 4204 relay or sensitive relay off of a trigger with positive voltage fed through relay into the CO input.

## Technical Field Bulletin

### 4-Wire



1 - Trigger 17 will only support ONE Cosmod2W and ONE smoke detector. If more are needed, either a 4204 relay or sensitive relay off T17 will be needed to reset using a different power source with more current. Any separate power supply used must be grounded to the panel. Upon resetting (COSMOD losing power), the CO zone, if used, will go into trouble along with the smoke zone if the EOLR supervision relay is used. This will require additional disarm commands to clear troubles after the reset.

2 - The Low P panels will not initiate a reset via trigger or relay if the fire alarm is on zone 1. The Vista-10P will accept this on any zone since it does not have a 2-Wire smoke zone.

3 - On the 15P/20P panels rev 9+, newer 21iP and 10P panels, the 820ohm bell output resistor must be used to bring the bell supervision voltage down to 0 to get all smokes to sound, otherwise, you may get constant sound or no sound at all.

4 - Dip Switch 1 must be set to the ON position (default) on the COSMOD to accept a bell output trigger and sound all connected smokes/CO units. If this is OFF, a steady voltage is needed via relay.

5 - Our zone EOLR's must be connected to the COSMOD units. The smokes will use their own 3.9K resistor.

6 - The CO trigger input (causes all units to sound temp 4 for CO alarm) must be a positive voltage triggered by either a 4204 relay or sensitive relay off of a trigger with positive voltage fed through relay into the CO input.

### Special Notes

1) The i3 series, 2WTA-B and 4WTA-B, are backwards compatible with the COSMOD units, so the COSMOD's can be used in place of the RRS-MOD.

2) Each COSMOD can support up to 12 smokes in any combination of the i3 and i4 series provided there is enough power given to the units.