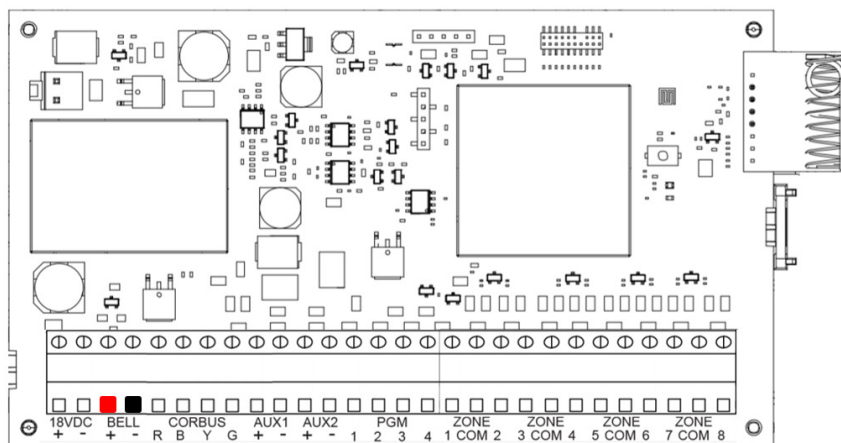


Bell Output

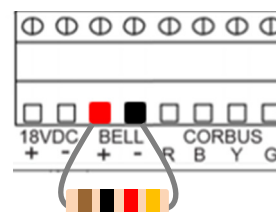
PG9WLSHW8 – Bell Output Support



The IQPanel 2+ v2.5.3 and higher panels and the PG9WLSHW8 v1.0 and higher PowerG wireless translators will support a Bell output up to 700mA of continuous current draw.

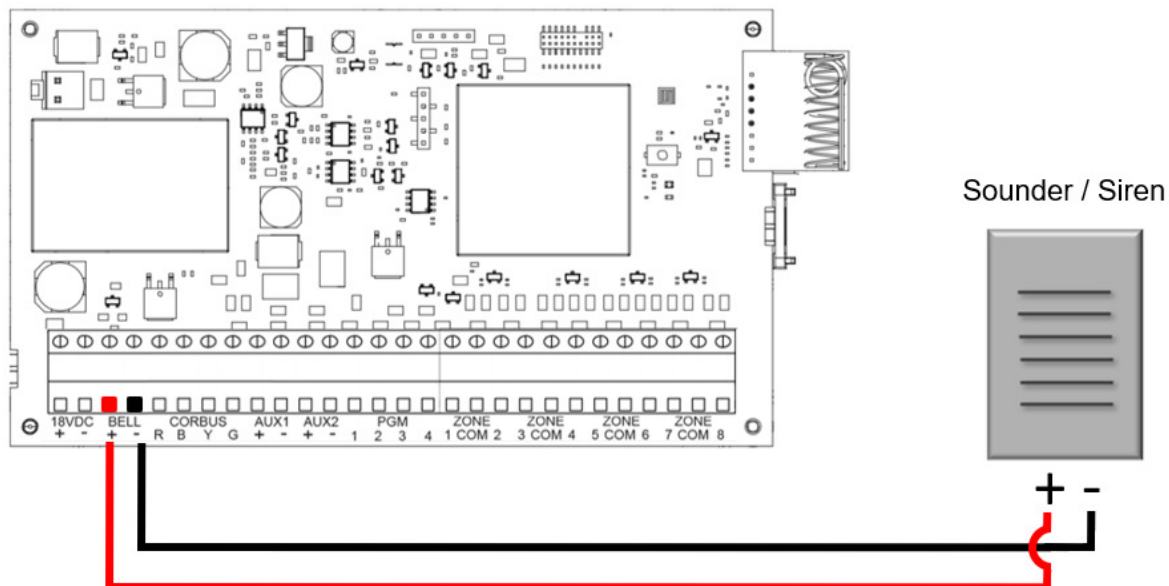
Bell circuit voltage and current	11.3 VDC to 12.5 VDC, maximum current 700 mA continuous. For EN50131 Grade 2 applications, the voltage rating is 9.6 VDC to 13.75 VDC. ❗ Note: The bell output supports continuous burglary alarms, T3 fire alarms, and T4 CO alarms. Alarms sound in the following priority: fire alarm, CO alarm, burglary alarm, and other alarms.
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- **Tech Tip:** If the siren's current draw is greater than 700mA, a relay must be used on the Bell+ and Bell- to allow for a secondary power source to supplement power to the siren. The connection beyond the relay will not be supervised by the PG9WLSHW8. (see Page 2 of 4)
- **Tech Tip:** If the Bell circuit is open or shorted, the panel will show Device Fault for the Hardwired Translator on the security page of the IQPanel. 
- **Tech Tip:** If the Bell circuit of the PG9WLSHW8 is not being used, secure a 1K resistor across the Bell+ and Bell- terminals to clear the device fault on the Hardwired Translator.

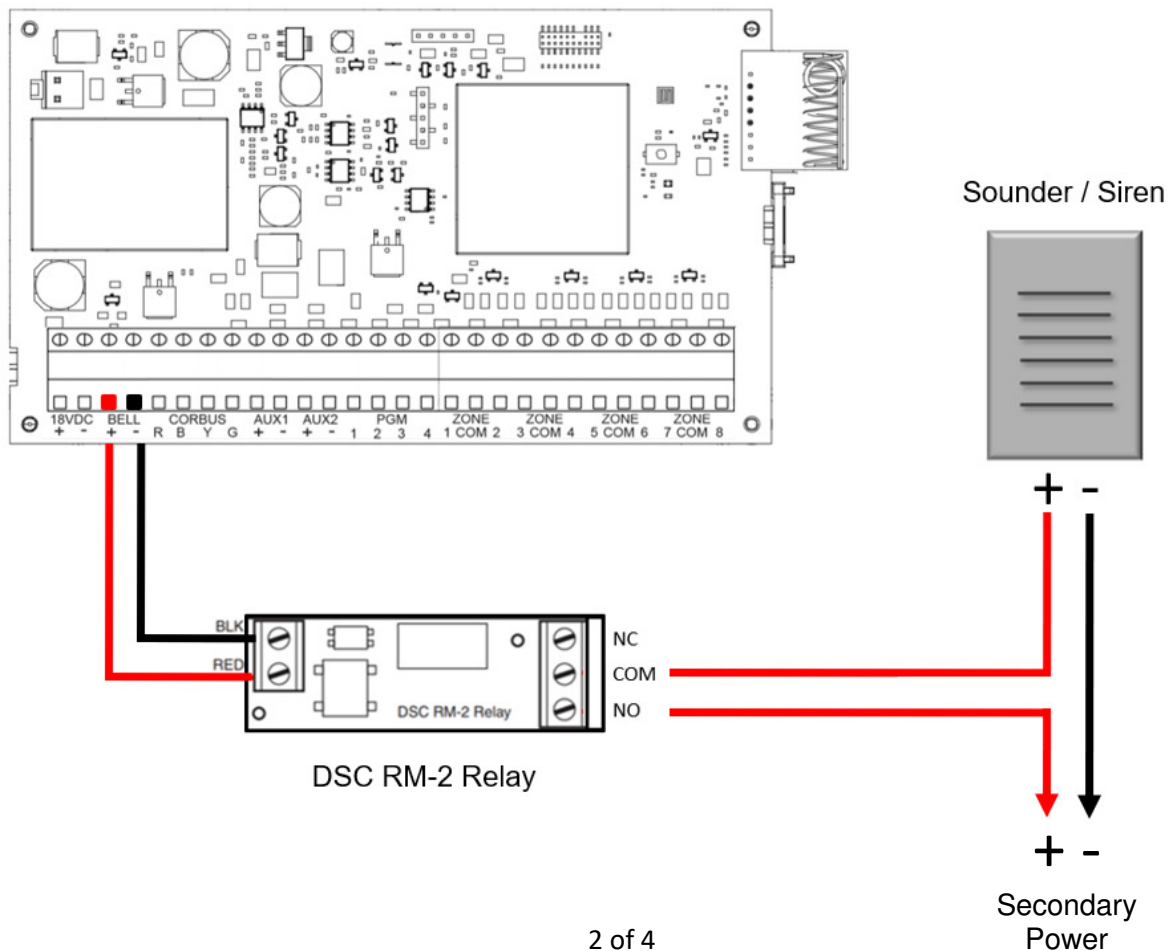


Bell Output

Wiring of the Bell Circuit directly to a siren



Wiring of the Bell Circuit with secondary power



Bell Output

Partition Assignment

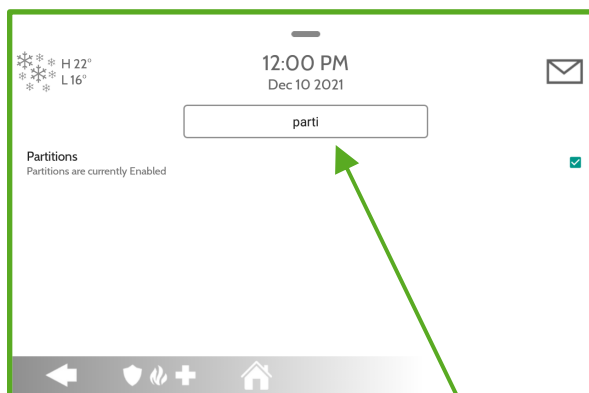
If the IQPanel is set up with multiple partitions enabled, the Bell output will follow the partition the PG9WLSHW8 is assigned to. By default, the PG9WLSHW8 is assigned to Partition 1, but can be assigned to Partition 2, 3 or 4 by editing the PG9WLSHW8 in 'Edit Sensor'.

Settings > Advanced Settings > Installation > Devices > Security Sensors > Edit Sensor

- **Tech Tip:** The IQPanel must have 'Partitions' enabled to change the partition assignment of the PG9WLSHW8.

Enabling Partitions

Settings > Advanced Settings > Installation > Installer Settings > Enable 'Partitions'



- Select **Partitions**

- **Tech Tip:** In IQPanels v2.5.3 and higher use the  **Search Settings** feature to find the programming options quicker.

The PG9WLSHW8 Bell circuit will activate if any Life Safety event occurs system wide (Fire Emergency Buttons, Fire or CO alarms from any partition.) Non-Life Safety sensor types from other partitions will not activate the Bell output if the PG9WLSHW8 is not assigned to that specific partition.

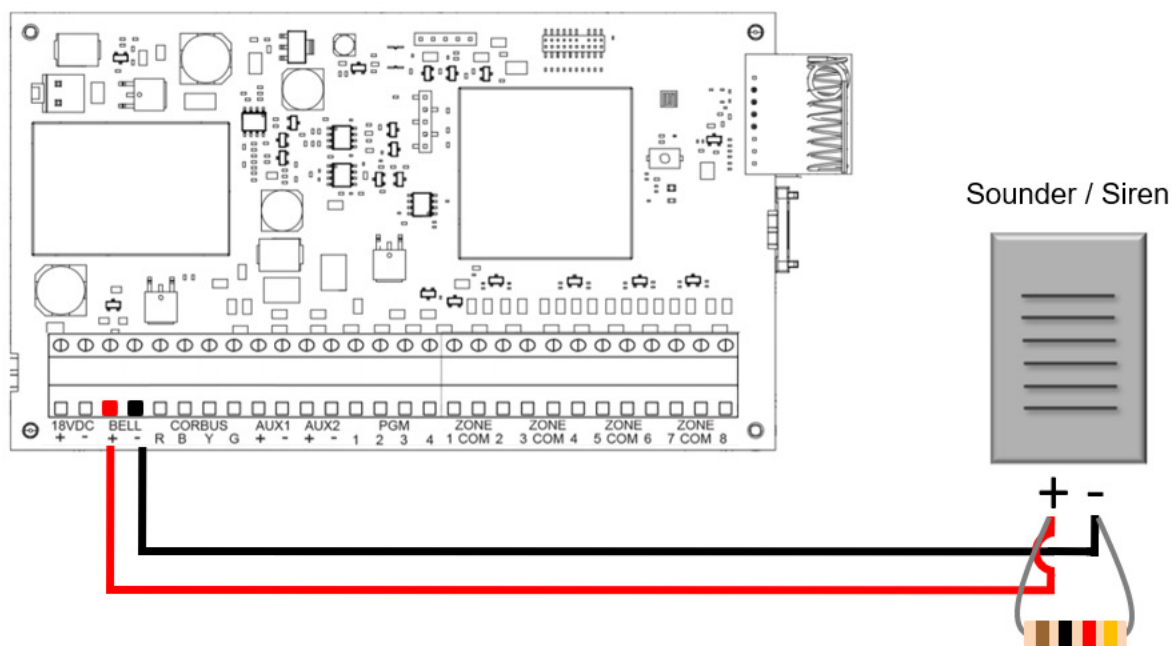
If hardwired siren outputs are desired to follow specific partition alarms independently, use the PGM outputs of the PG9WLSHW8 and assign the PGM to the partition(s) as needed.

(see September 2021 Tech Tip ~ [Sept 2021 - PG9WLSHW8 - PGM Outputs.pdf](#))

- **Tech Tip:** Use the PG9901 Indoor Siren or PG9911 Outdoor Siren and assign the wireless sirens to the selected partition as needed.

Bell Output

- **Tech Tip:** If the “sounder” is clicking, humming, buzzing or sounding off for no reason, the sounder may be picking up the bell supervisory current.
At the end of the line (EOL) strap a 1K resistor across the Pos+/Neg-connection of the sounder, this should resolve the issue.



- **Tech Tip:** Make sure the bell circuit is secure before closing the enclosure. The security page on the IQPanel will not display the Bell Circuit trouble until the tamper is secured. So, you too may be opening up the enclosure... to secure the bell circuit.
Module Tamper  is a higher priority than Bell Circuit trouble .
- **Tech Tip:** Always have extra 1K resistors available ~ Brown / Black / Red / Gold