EOL Resistors

This document covers the end-of-line (EOL) resistors for all panel variants, and specifies whether they have different resistor values depending on their model variant.

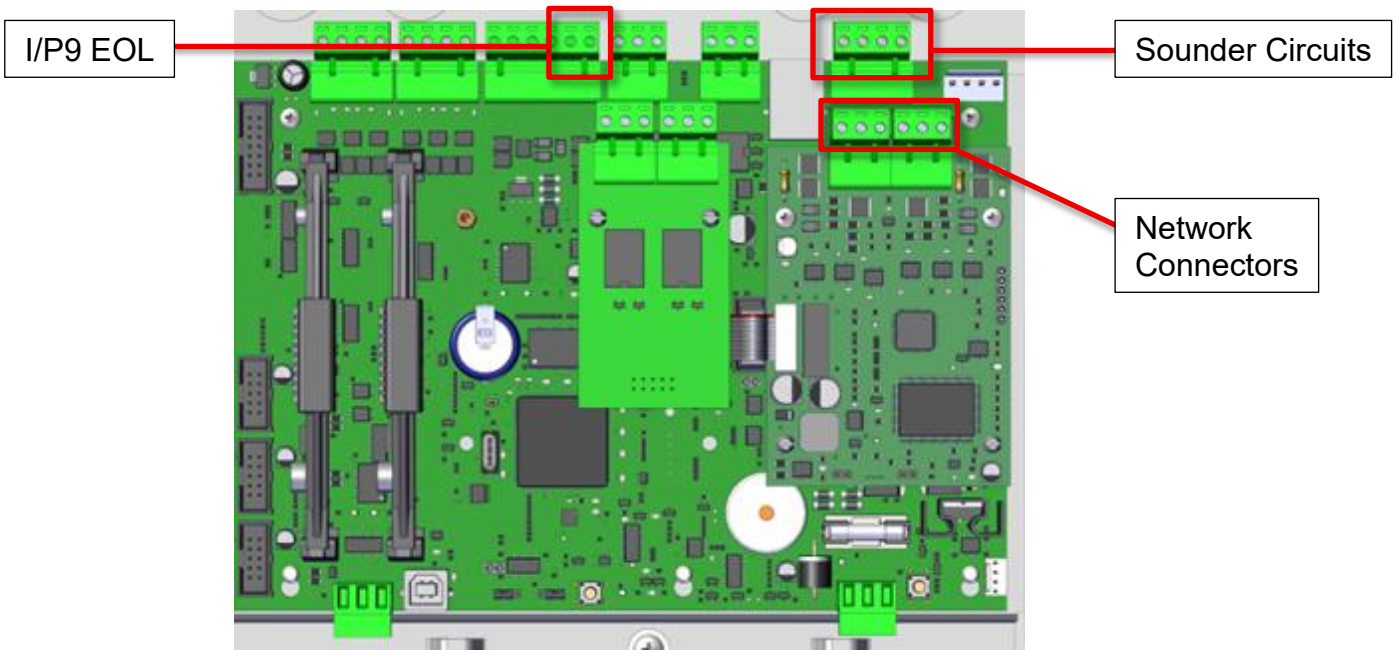


Figure 1 – MxPro 5 (Gen 2) Board

Sounder Circuit EOL

On-board sounder circuits require an EOL resistor to be fitted at all times, regardless of whether they are being used or not. This resistor's value is:

All Variants
6k2 Ω

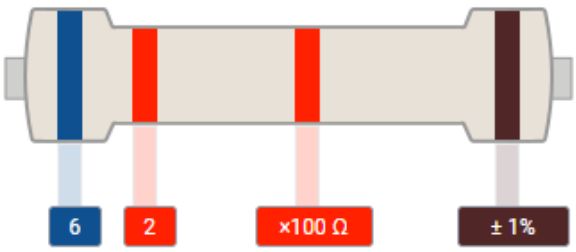


Figure 2 - 6k2 Ω resistor colour code

IP/9 EOL

The IP/9 resistors only need to be fitted when IP/9 has been assigned an Input Action via the ConfigTool. If unused, the panel will not monitor the IP/9 for resistance, and it can be left empty.

If IP/9 is being used, you will need to fit up to two resistors. You will need an EOL resistor on both generations, and you will need an Activation resistor on Gen 2 panels.

	Gen 1	Gen 2
EOL	10k Ω	3k3 Ω
Activation	Short	680 Ω

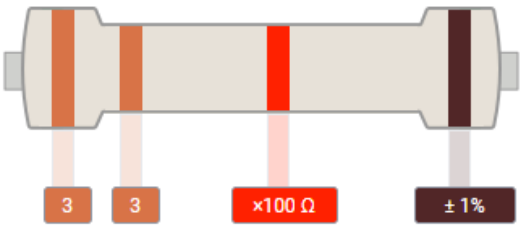


Figure 2 - 3k3 Ω resistor colour code

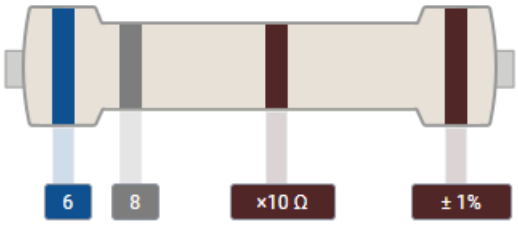


Figure 3 - 680 Ω resistor colour code

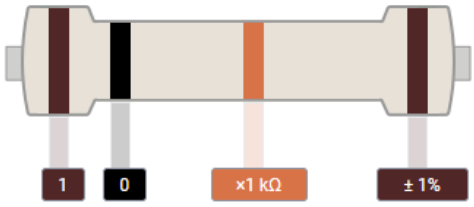
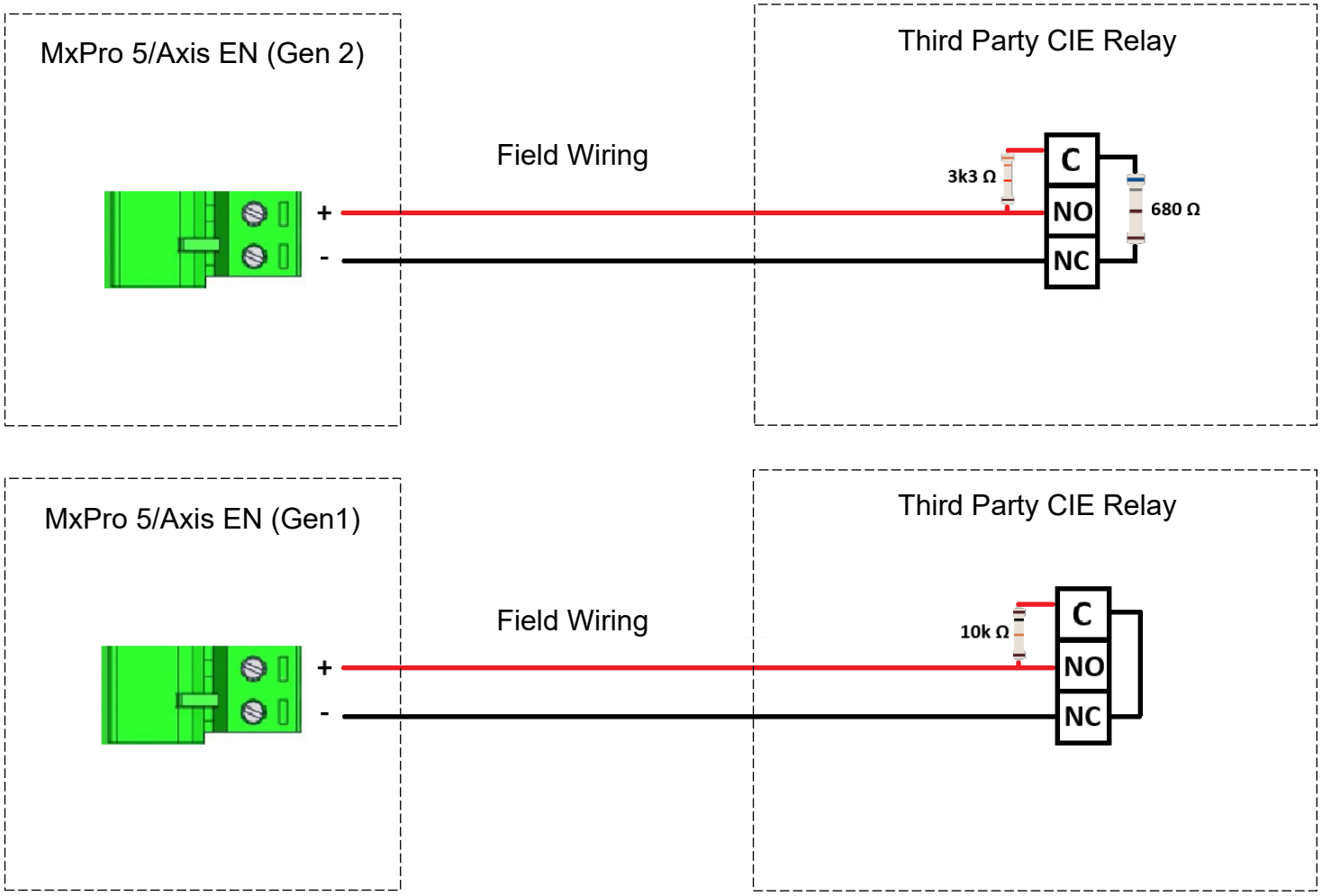


Figure 4 - 10k Ω resistor colour code

Below is a typical wiring diagram for I/P9, displaying how to wire it to a relay.



Network Connectors EOL

You may require EOL resistors on your network card if you are using a **standard network**. If you are using a *fault-tolerant* network, you do not require these EOL resistors to be fitted.

If using a standard network, you will have a resistor on the **IN** terminal of the 1st panel (wiring wise) and another resistor on the **OUT** terminal of the final panel (wiring wise). The resistor value is:

All variants
150 Ω

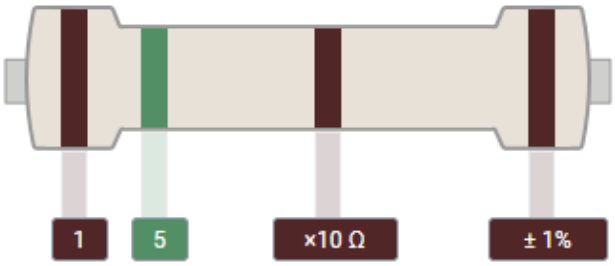


Figure 3 - 150 Resistor Colour Code

Axis AX – Notification Appliance Circuit (NAC)

The Axis Ax AX-CTL board features a set of NAC terminals. These terminals have a specified resistor value if wired in Class B configuration. The resistor value is as follows:

AxisAX
10k Ω

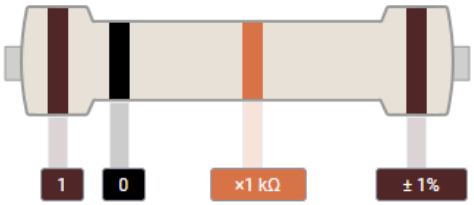


Figure 4 - 10k Ω resistor colour code