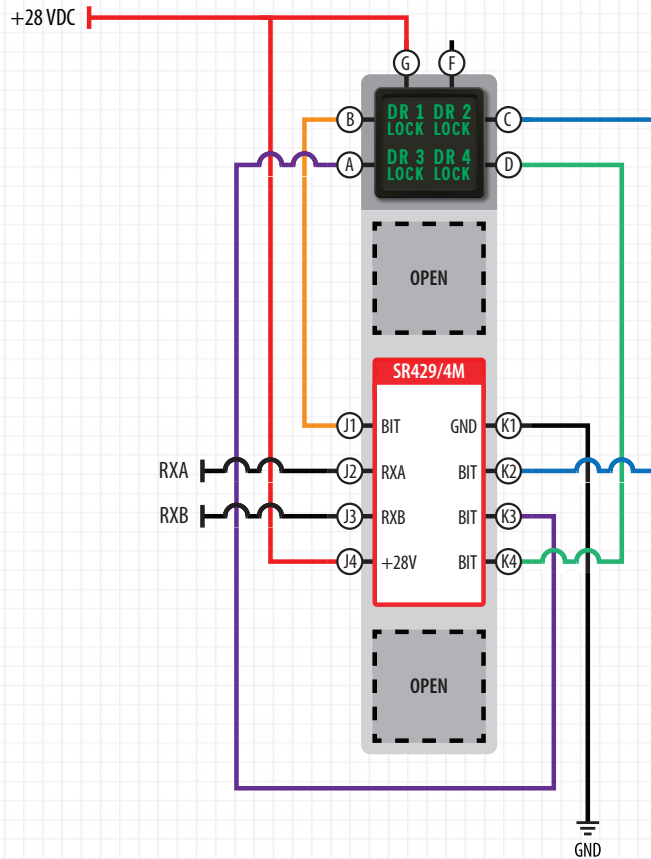# Door Status Indicator

The SR429/4M has now expanded the capability of our ARINC 429 to discrete converter family to include up to four available outputs. This expansion incorporates several different options for failure recordings while maintaining both standard and inverted polarity selection. Any bit on the ARINC 429 label can still be used but now you are able to receive up to four total bits. This NEXSYS component can fit inside a VIVISUN indicator along with some additional components or inside a NEXSYS Module to further minimizing the wiring, weight and installation time for the design.

This application employs the ARINC 429 MULTI-BIT CONVERTER to provide the status of four independent doors using ARINC data. A single ARINC data label may include the status (i.e. Locked = 0, Unlocked = 1) of four different doors on four separate bits within the label. This indicator can take this data and provide illumination to each cap quadrant when the respective door is in the locked condition. Furthermore, each of the open bays inside the VIVISUN indicator can further hold a Solid State Relay, Time Delay, Square Wave Oscillator, or several other 4 pin NEXSYS components if additional AND/OR gate logic is needed such as only illuminating the door lock indication if WOW (weight-on-wheels) signal is present.

To speak with our Technical Support team on how NEXSYS Component Technology can be used to add avionics system capabilities or solve your system integration challenges call us at 1-888-848-4786.