

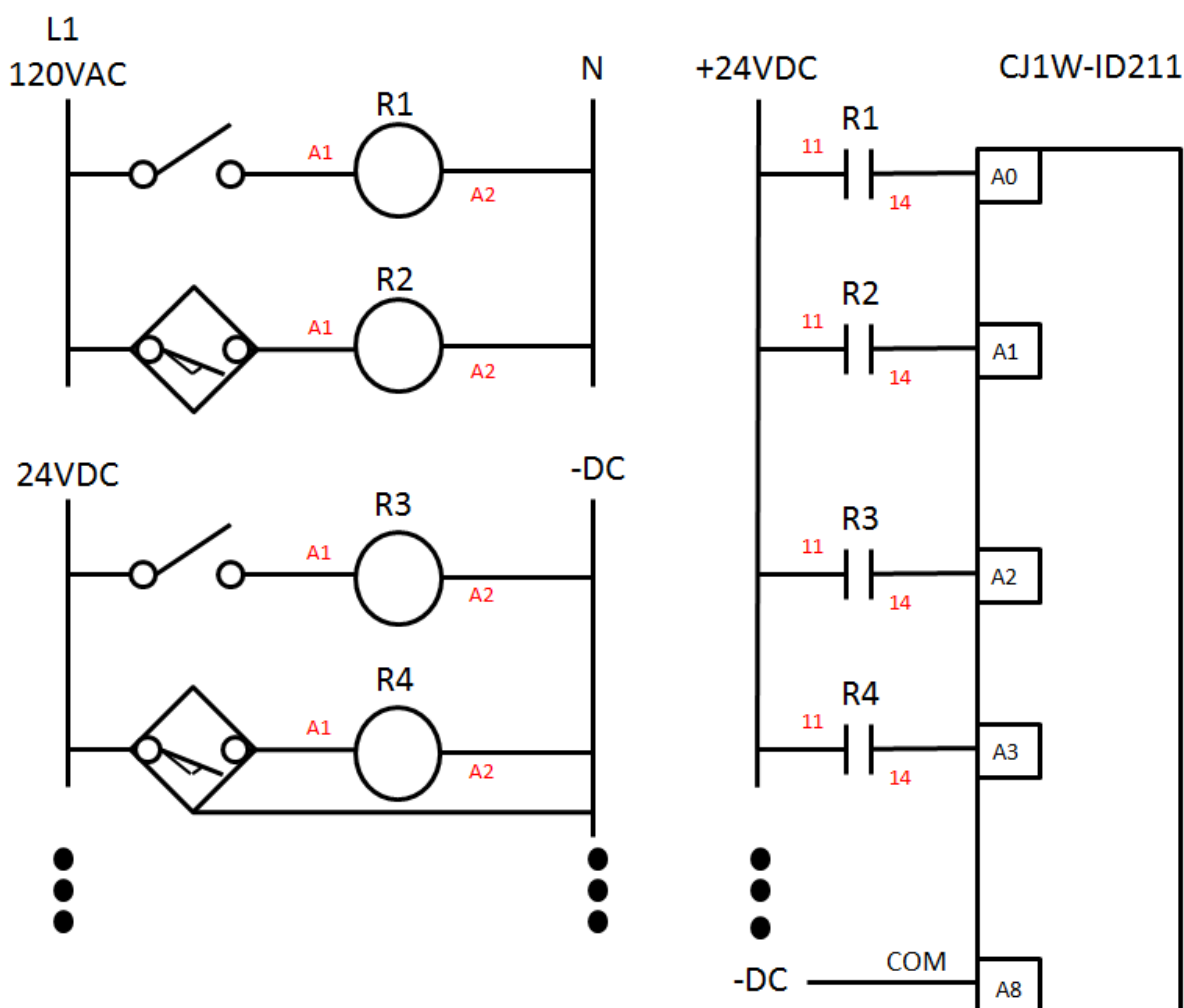
## Application Brief

**Problem:** I have several different voltages on my machine that need to be wired into my PLC, but I would like to standardize on less expensive DC input cards. What can I do to solve the problem?

**Solution:** Use Omron G2RV-SL700-AP series relays that offer several different coil voltages as an interposing relay between the device and the PLC. Depending on the voltages on the machine matching these voltages to the coil voltage available can allow these devices to be wired to a standard DC input card.

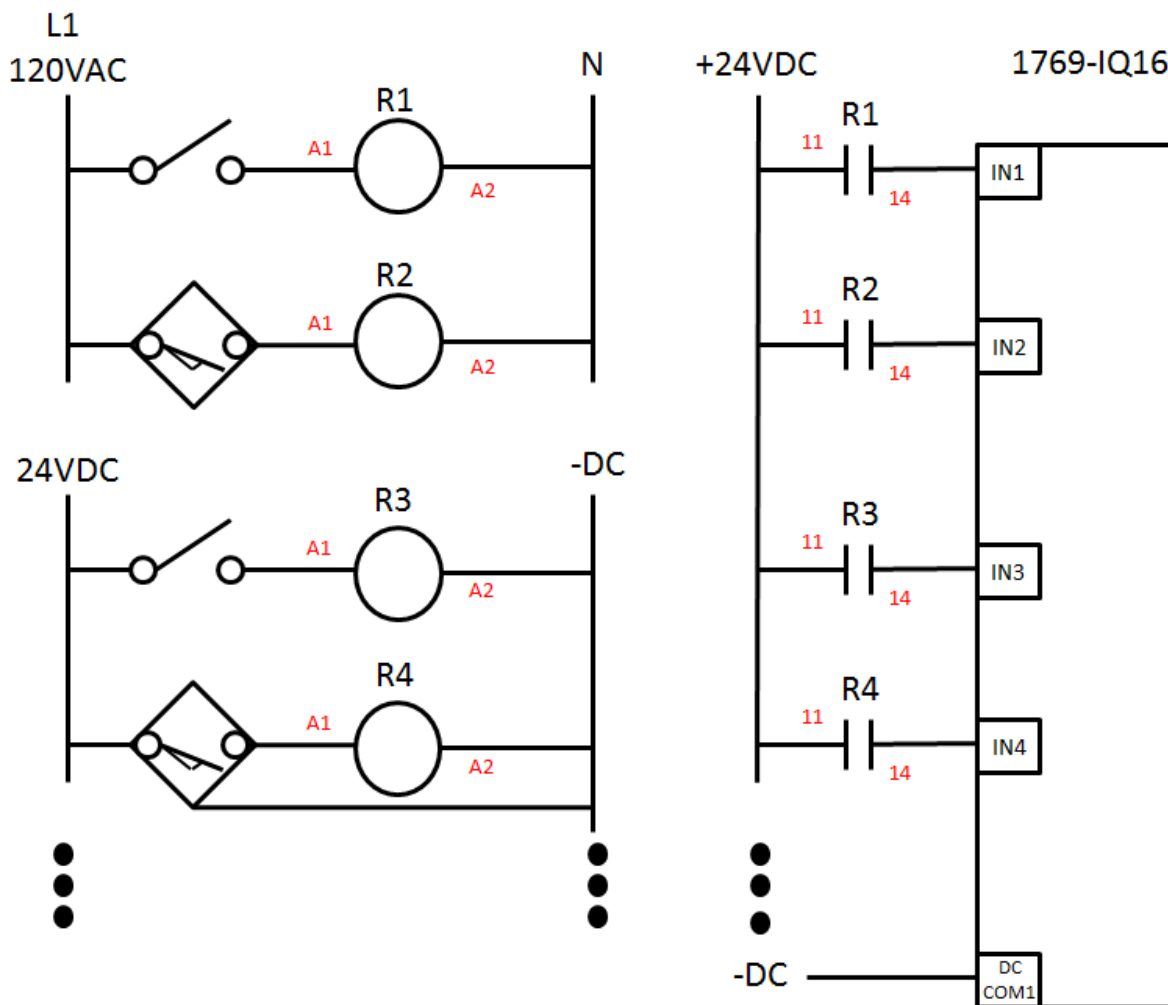
Below are some wiring examples to show how this can be wired to an Omron CJ1W-ID211 or an Allen Bradley 1769-IQ16 input module:

Omron CJ1W-ID211 wiring example:



Note: Terminal numbers shown in **RED** are actual terminals used for the G2RV-SL700-AP.

Allen Bradley 1769-IQ16 wiring example:



Note: Terminal numbers shown in **RED** are actual terminals used for the G2RV-SL700-AP.

Available G2RV-SL700-AP Coil Voltages:

12 VDC -----	Order Number G2RV-SL700-AP DC12
24 VDC -----	Order Number G2RV-SL700-AP DC24
24 AC/VDC -----	Order Number G2RV-SL700-AP AC/DC24
48 AC/VDC -----	Order Number G2RV-SL700-AP AC/DC48
110 VAC -----	Order Number G2RV-SL700-AP AC110
230 VAC -----	Order Number G2RV-SL700-AP AC230