

The SD17060B-24 is an option to the standard SD17060B stepper driver. The only difference between this option and the standard driver is that the inputs to the SD17060B-24 operate at 24Vdc, not at 5Vdc as on the standard SD17060B. All of the SD17060B-24's remaining setup and functions are the same as those described in the SD17060B driver's manual.

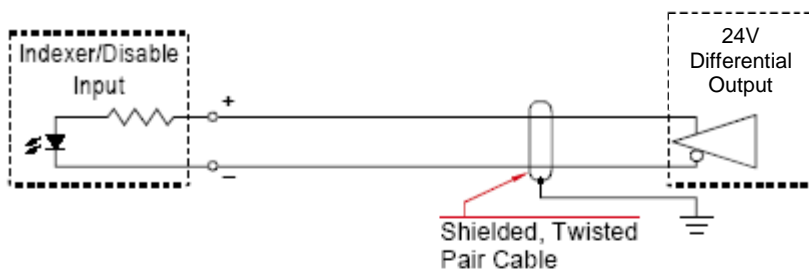
The SD17060B-24 has three inputs,  $\pm$  Dir/CCW,  $\pm$  Step/CW, and  $\pm$  Disable, and all three have been modified to operate at 24Vdc. These three inputs have the following specifications.

### Input Specifications

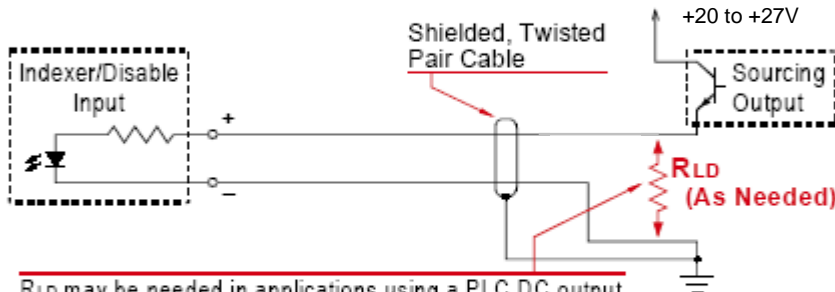
Voltage Range: 20 to 27Vdc  
 Required Current: 10mA @24Vdc

The following diagrams show how to connect to SD17060B driver to Differential, Sourcing, and Sinking Indexers.

### Differential Connection

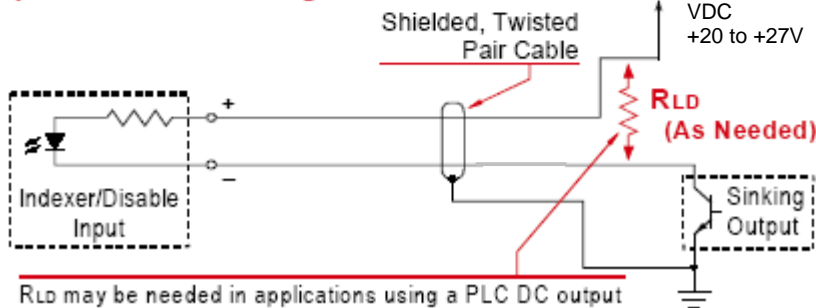


### Open Collector Sourcing Connection



$R_{LD}$  may be needed in applications using a PLC DC output to generate index pulses at high speeds. See the note on this page for more information.

### Open Collector Sinking Connection



$R_{LD}$  may be needed in applications using a PLC DC output to generate index pulses at high speeds. See the note on this page for more information.

### Note on $R_{LD}$

An additional load resistor may be required on some PLC outputs to improve switching times. A symptom of this problem is that the motor will begin to run rough at high speeds. On 24V systems, a 470 or 560 ohm 2W resistor should be used.