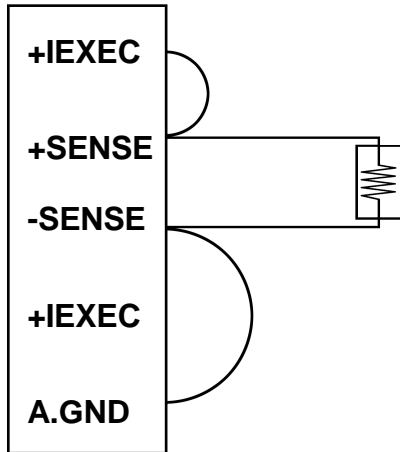
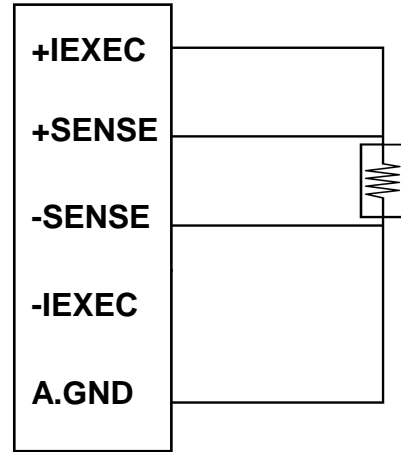


## Wire Connection for A I/O

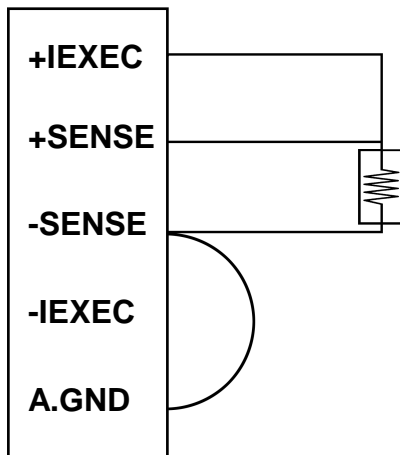
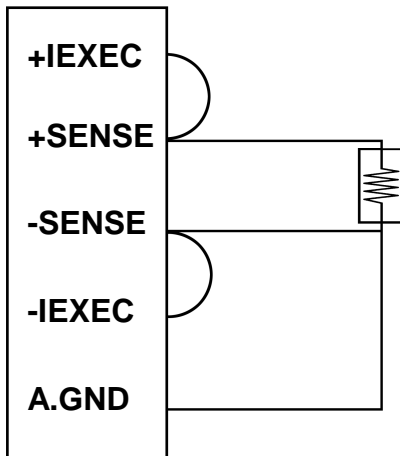
EX9013 2-wire RTD connection



EX9013 4-wire RTD connection

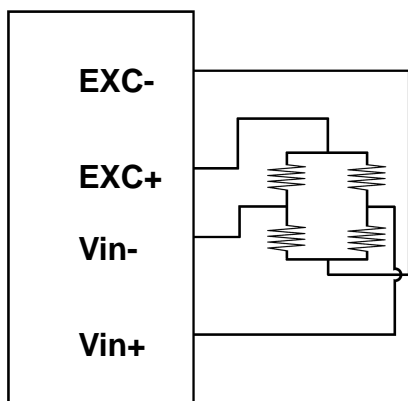


EX9013 3-wire RTD connection

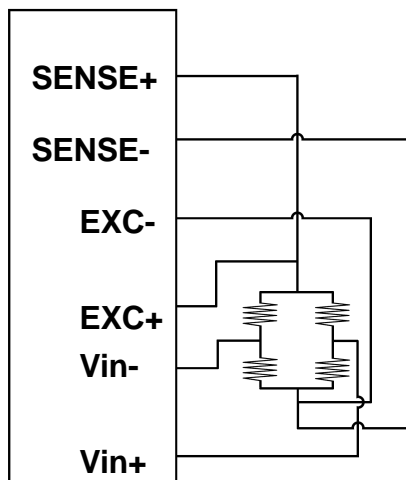


## Wire Connection for A I/O

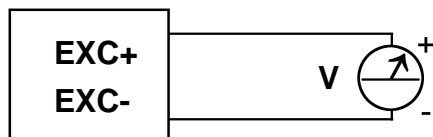
**EX9016**  
Bridge Sensor/Load Cell/Strain  
Gauge Wire Connection



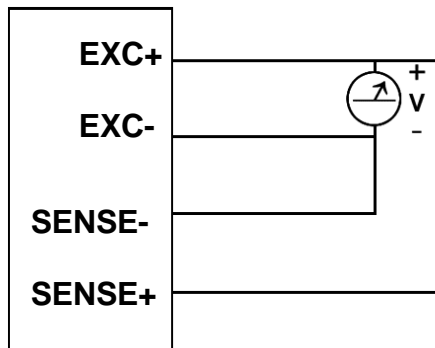
**EX9016P**  
Bridge Sensor/Load Cell/Strain  
Gauge Wire Connection



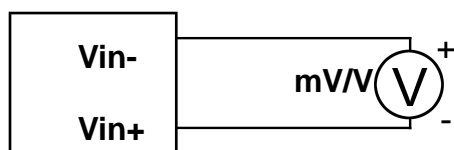
**EX9016**  
Analog output wire connection



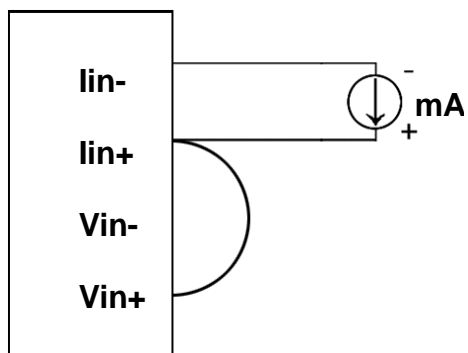
**EX9016P**  
Analog output wire connection



**EX9016**  
Analog input wire connection

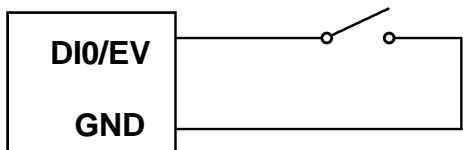
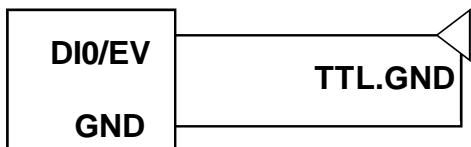


**EX9016P**  
Analog input wire connection

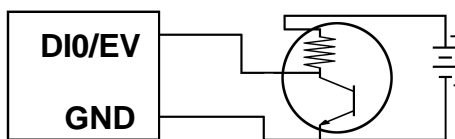
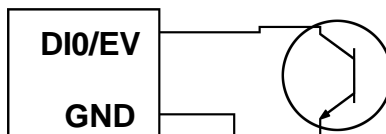


## Wire Connection for A I/O

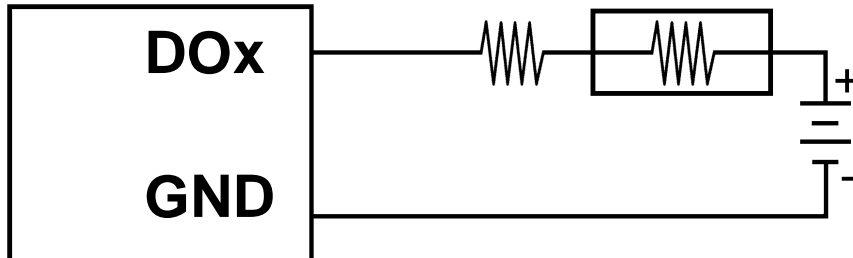
**EX9016**  
Digital Input wire connection



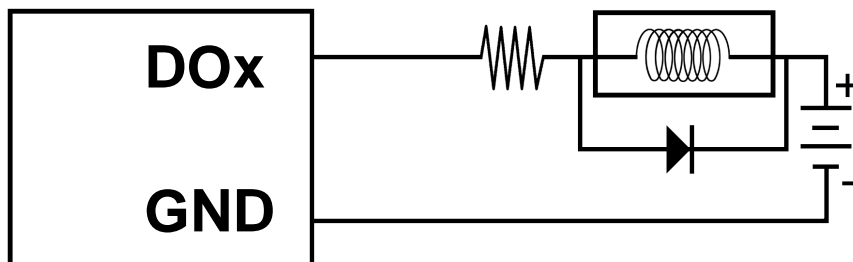
**EX9016P**  
Digital Input wire Connection



**EX9016**  
Digital output wire connection

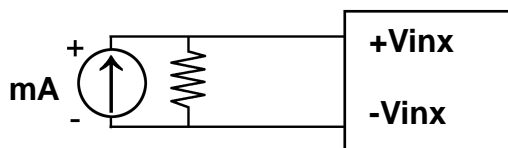
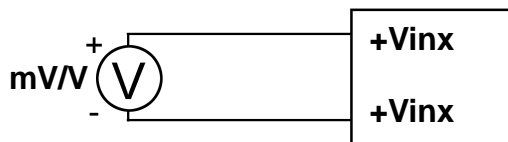


**EX9016P**  
Digital output wire connection

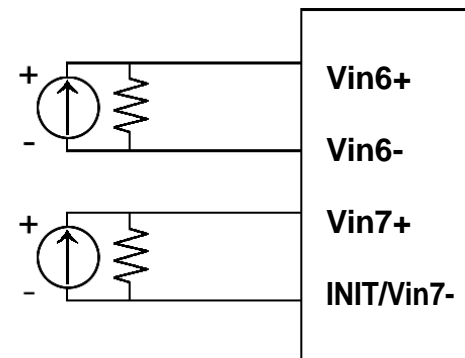
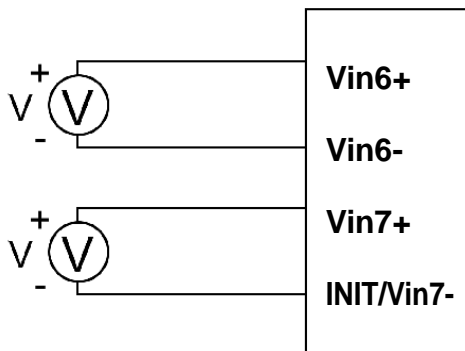


## Wire Connection for A I/O

**EX9017F** Analog I/P Channel 0 to 5 wire connection



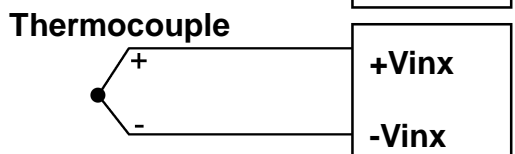
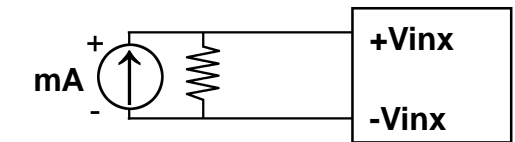
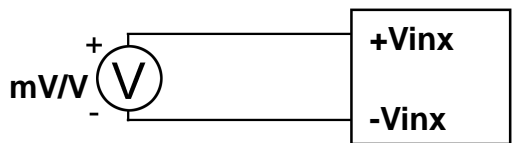
**EX9017/17F** Analog I/P Channel 6 and 7 wire connection, while the jumper JP1 setting is 8 differential mode.



**EX9017F** Analog I/P Channel 7 can't be used, while the jumper JP1 setting is INIT\* mode.



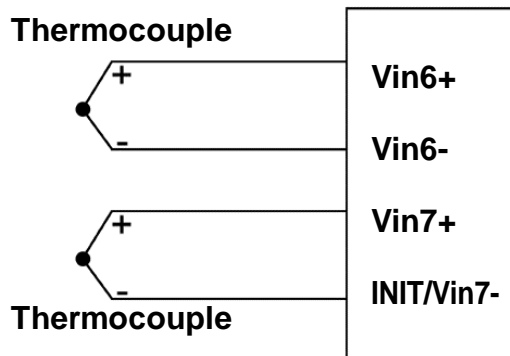
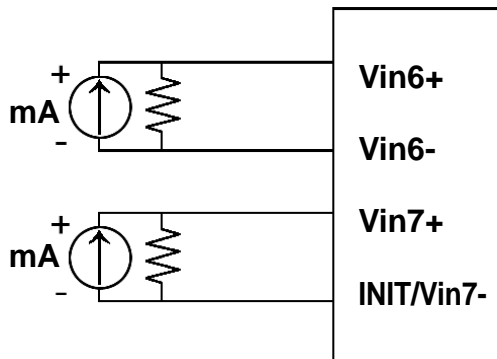
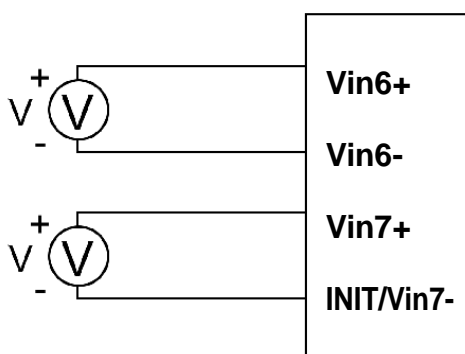
**EX9018P** Analog I/P Channel 0 to 5 wire connection



## Wire Connection for A I/O

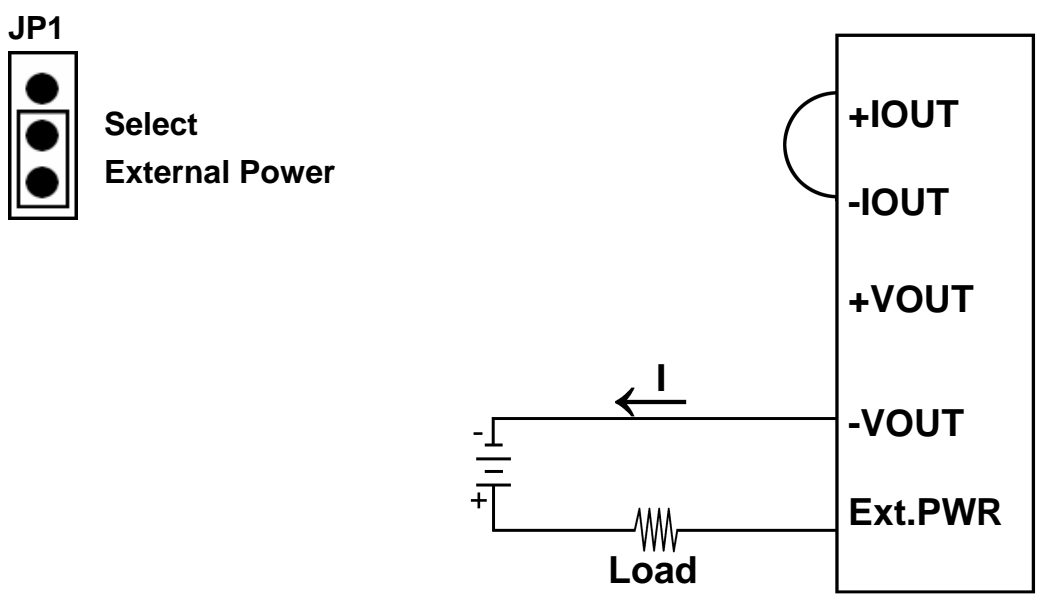
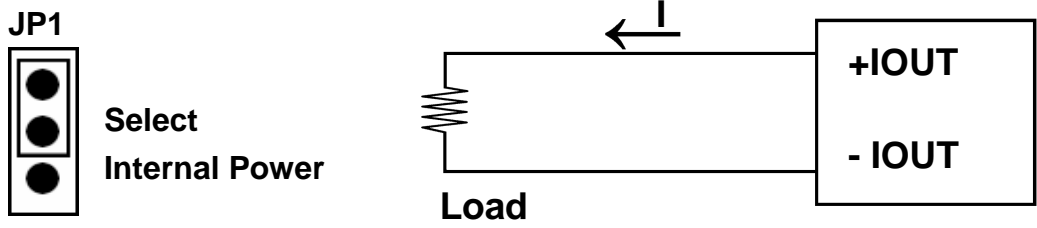
**EX9018P** Analog I/P Channel 6 and 7 wire connection, while the jumper JP1 setting is 8 differential mode.

**EX9018P** Analog I/P Channel 7 can't be used, while the jumper JP1 setting is INIT\* mode.



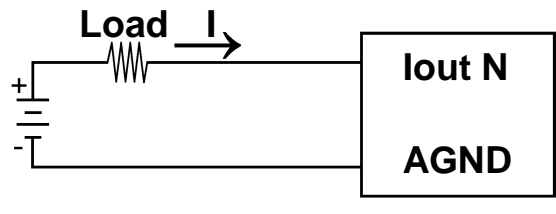
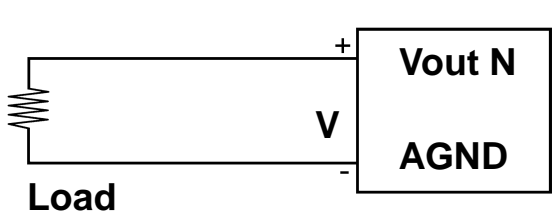
## Wire Connection for A I/O

**EX9021/21P/22** Current output wire connection



**EX9024** Voltage output wire connection

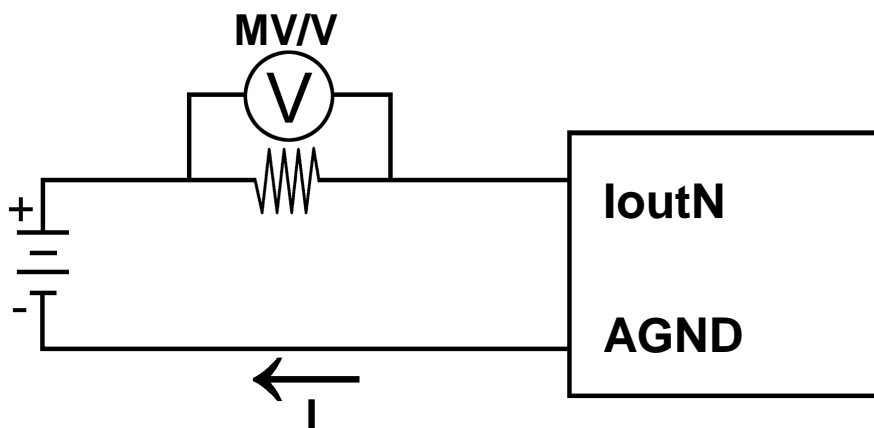
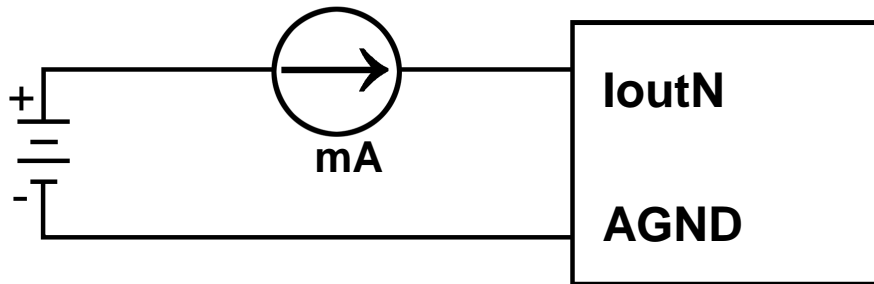
**EX9024** Current output wire connection



## Wire Connection for A I/O

### EX9024 Current Output Calibration Sequence:

1. Connect meter and external power sources to module's current output channel 0.

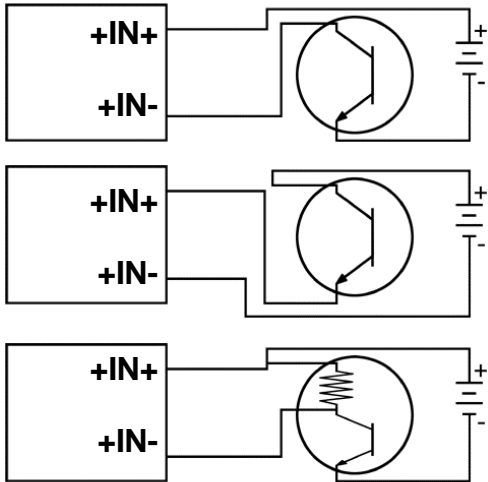


2. Setting type to 30. (0 to 20mA)
3. Output 0mA.
4. Check the meter and trim the output until 0mA match by apply trim command
5. Perform 0mA Calibration Command.
6. Output 20mA
7. Check the meter and trim the output until 20mA match by apply trim command.
8. Perform 20mA Calibration Command.
9. Repeat 1 to 8 for channel 1,2 and 3.

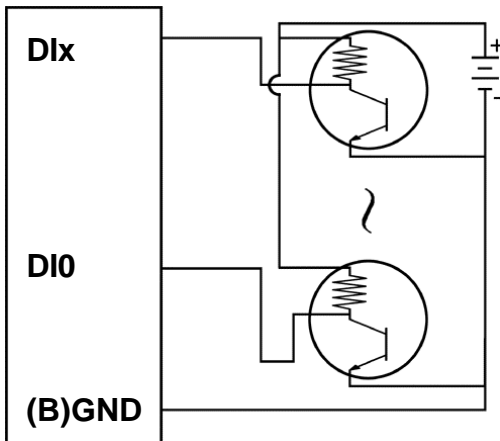
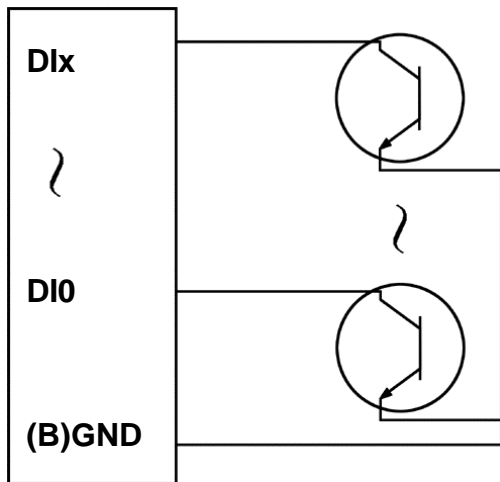
## Wire Connection for D I/O

### Open Collector signal I/P

**EX9052D**

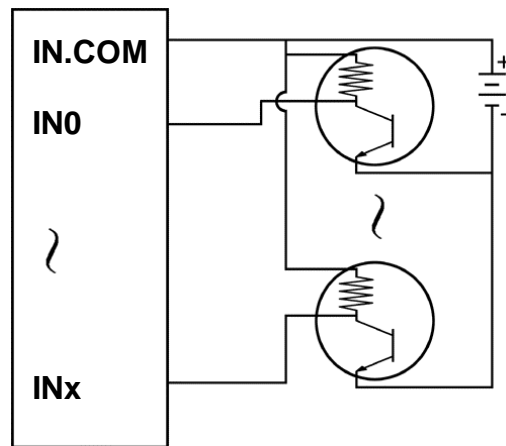
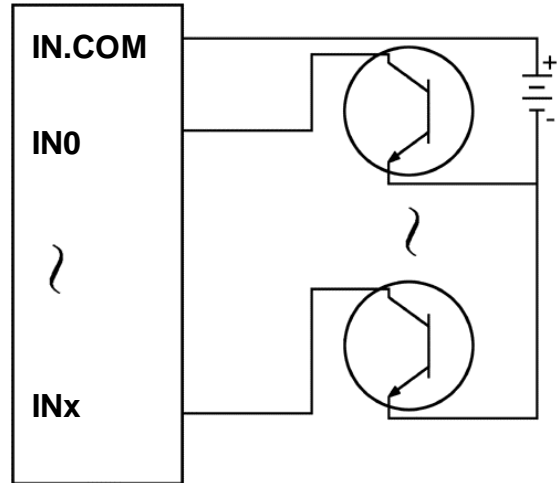


**EX9050D/53D**



### Open Collector signal I/P

**EX9041D/44D/60D/63D/63AD/  
63BD/65AD/65BD**

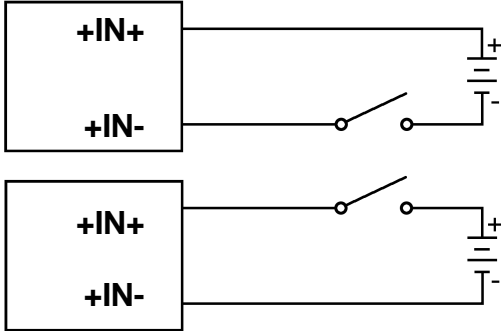




## Wire Connection for D I/O

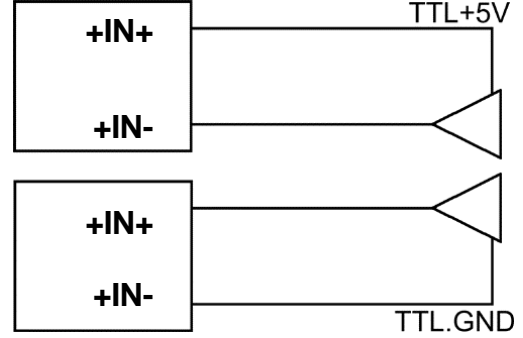
### Dry Contact signal I/P

**EX9052D**

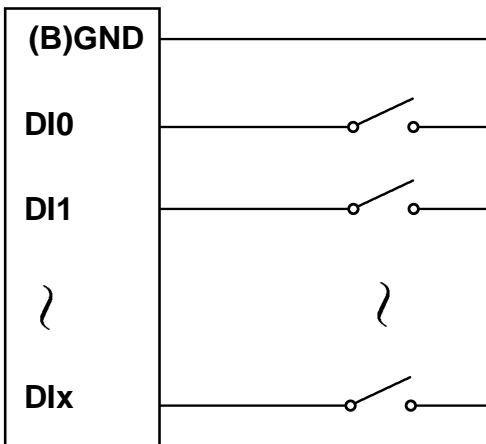


### TTL/CMOS signal I/P

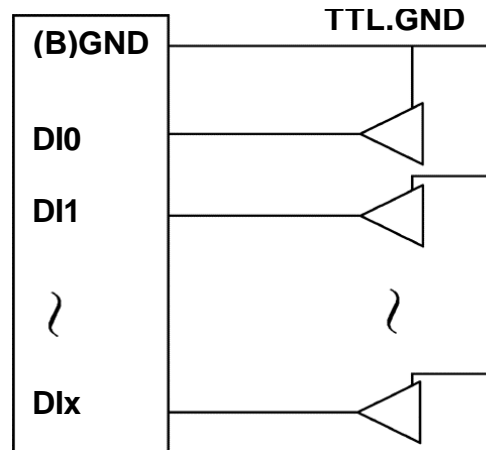
**EX9052D**



**EX9050D/53D**

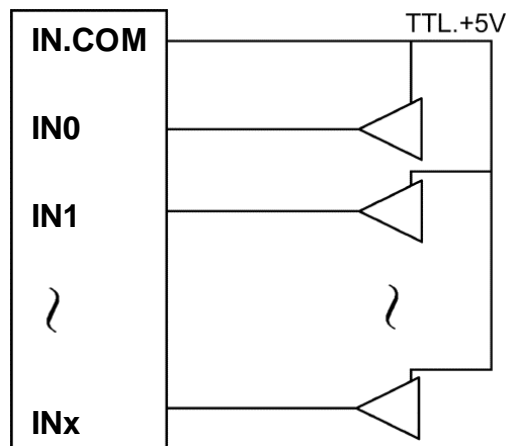
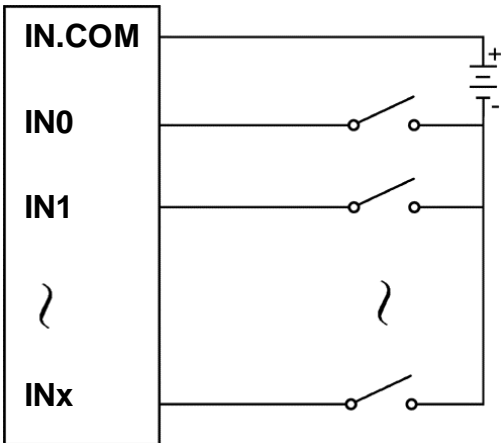


**EX9050D/53D**



**EX9041D/44D/60D/63D/63AD  
/63BD/65AD/65BD**

**EX9041D/44D/60D/63D/63AD  
/63BD/65AD/65BD**

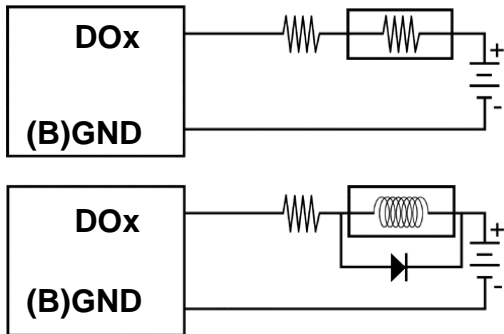


## Wire Connection for D I/O

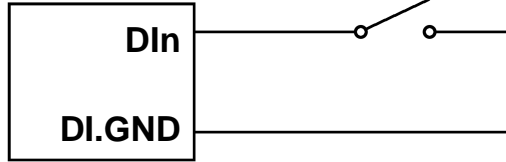
### Open Collector O/P

#### EX9050D

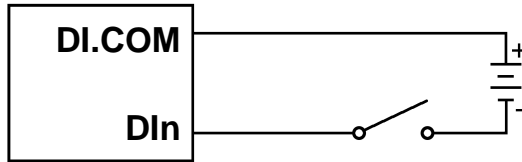
**Note:** while connect inductive load (drive relay), the diode is needed for prevent the counter EMF.



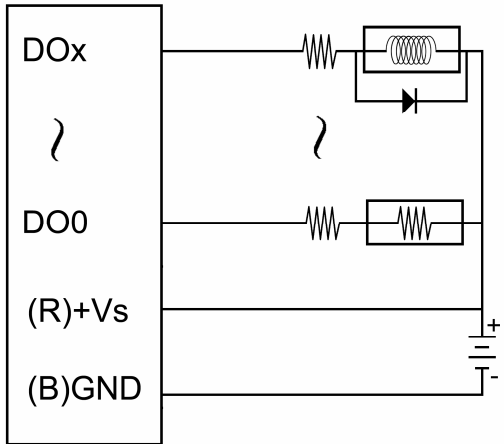
### EX9051/55 Dry Contact Input



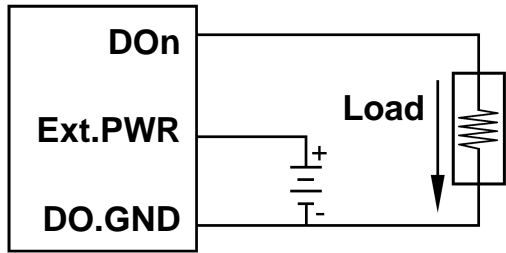
### EX9051/55 Wet Contact Input



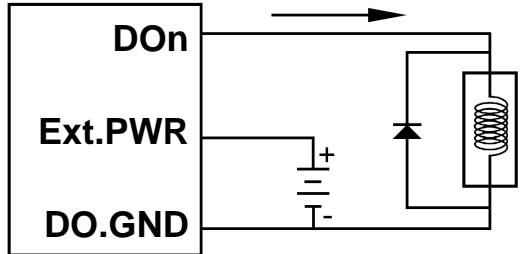
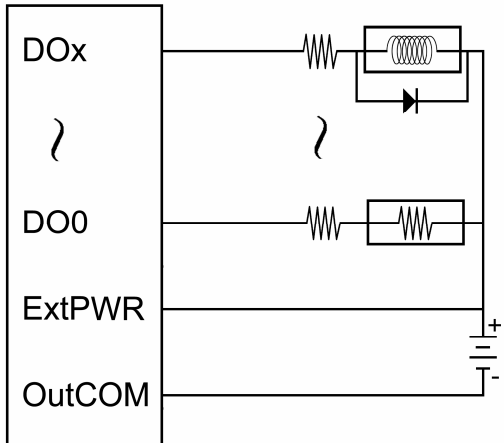
#### EX9043D



### EX9055 Digital Output



#### EX9042D/44D



Note: The loading restriction is related by value of Ext.PWR (Only for EX9055)