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- Job selection with a thumbwheel switch and pushbutton
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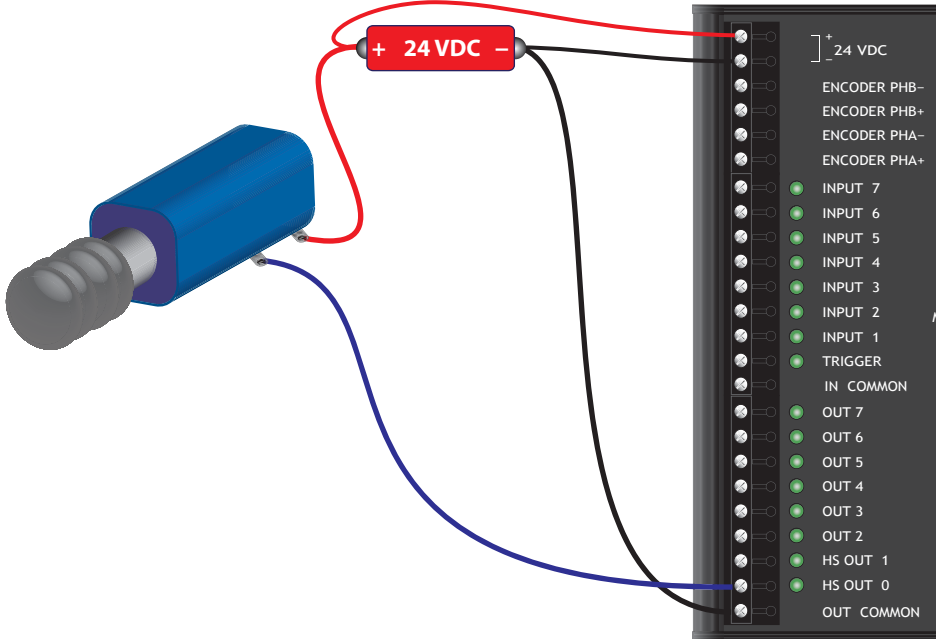
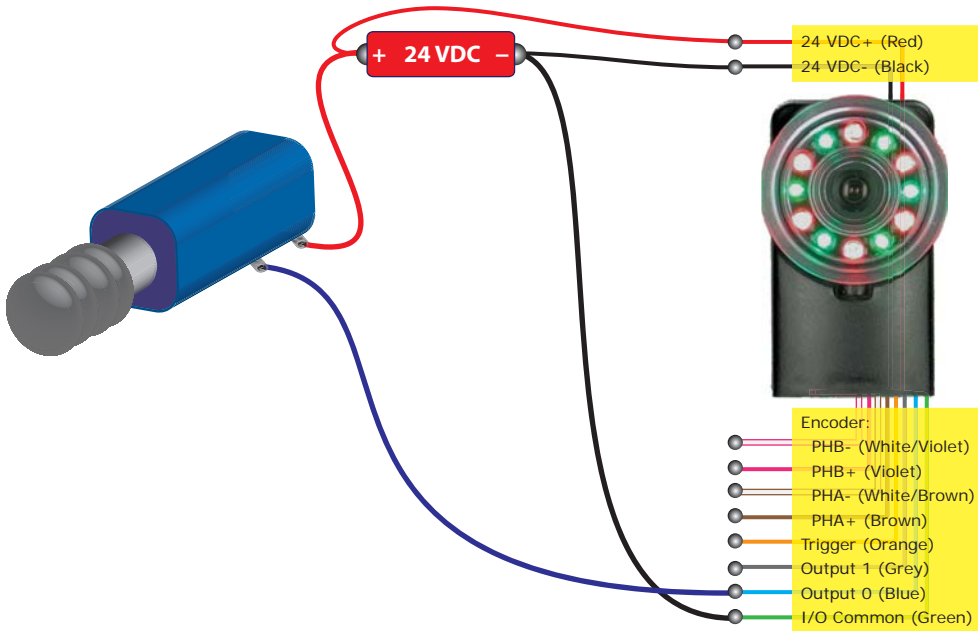
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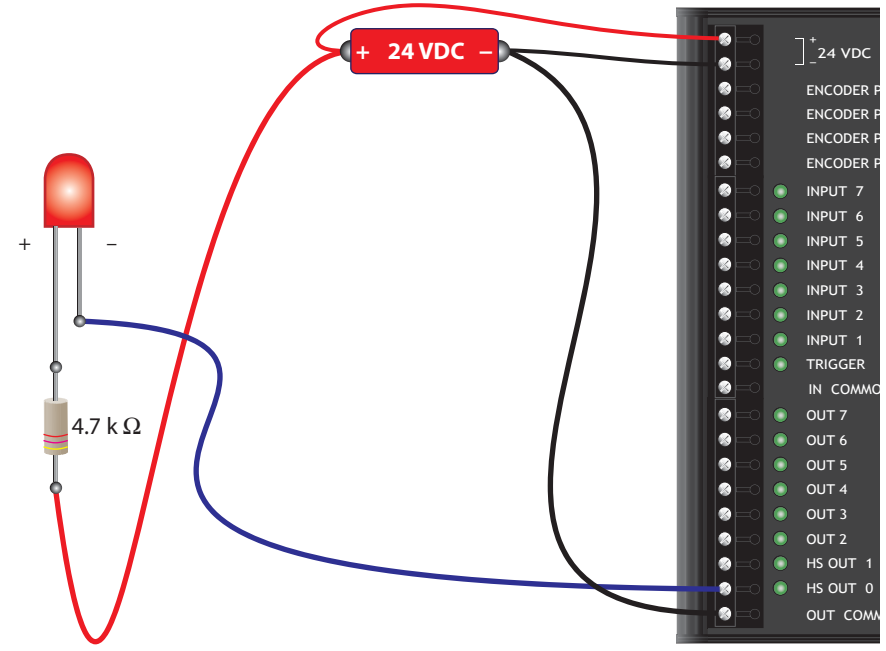
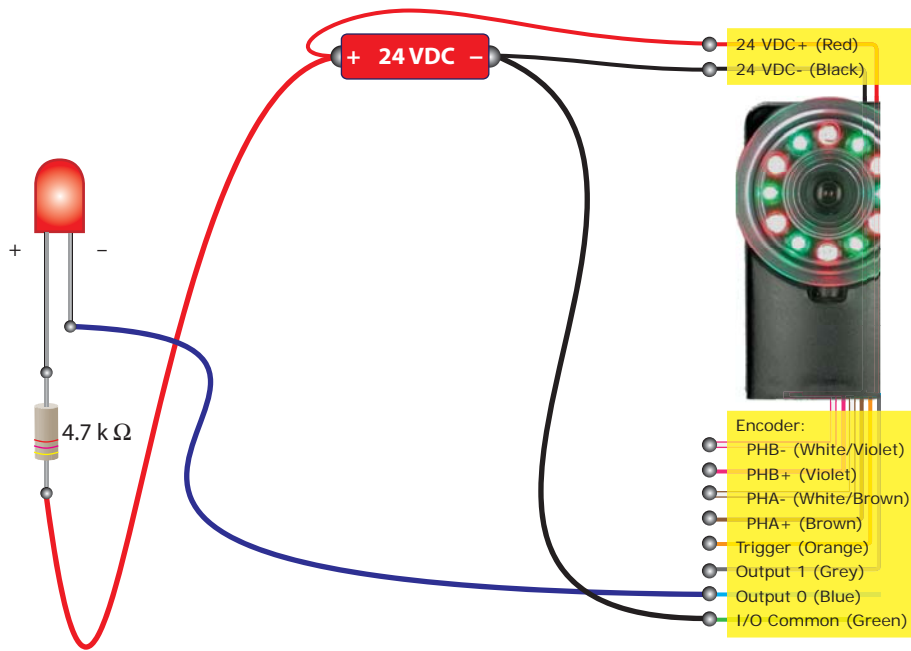
**Triggering Checker Sensors**

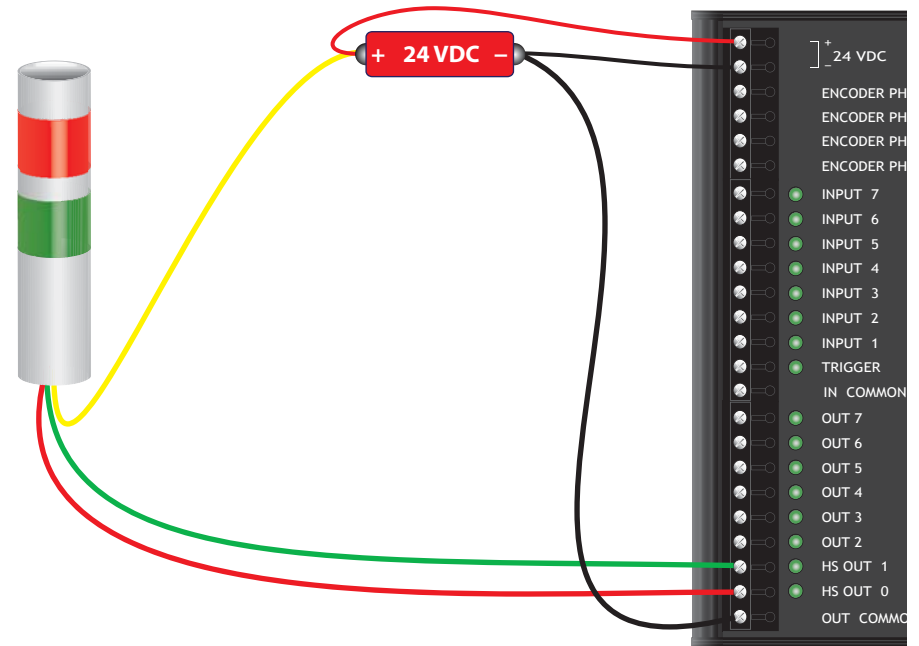
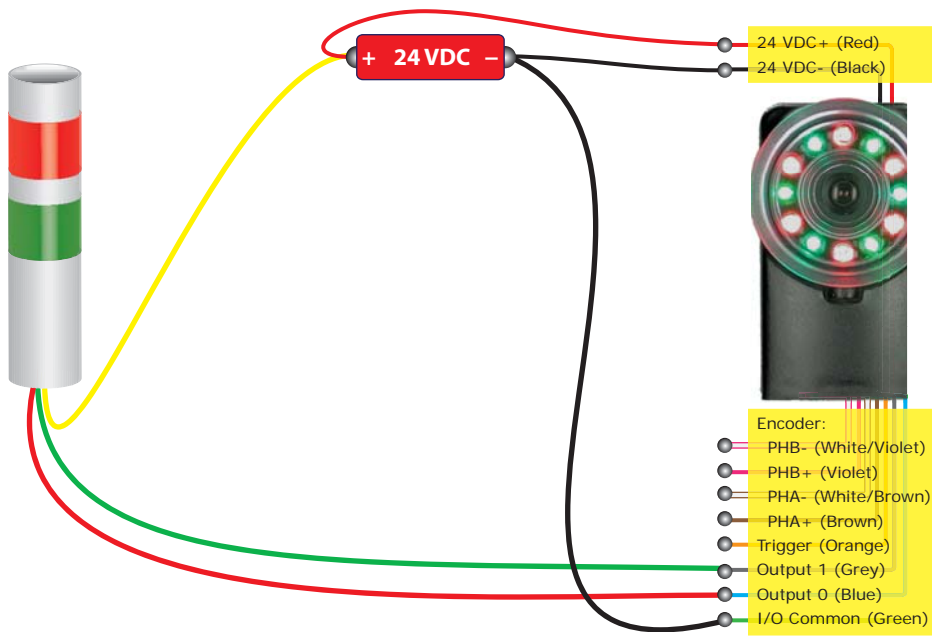
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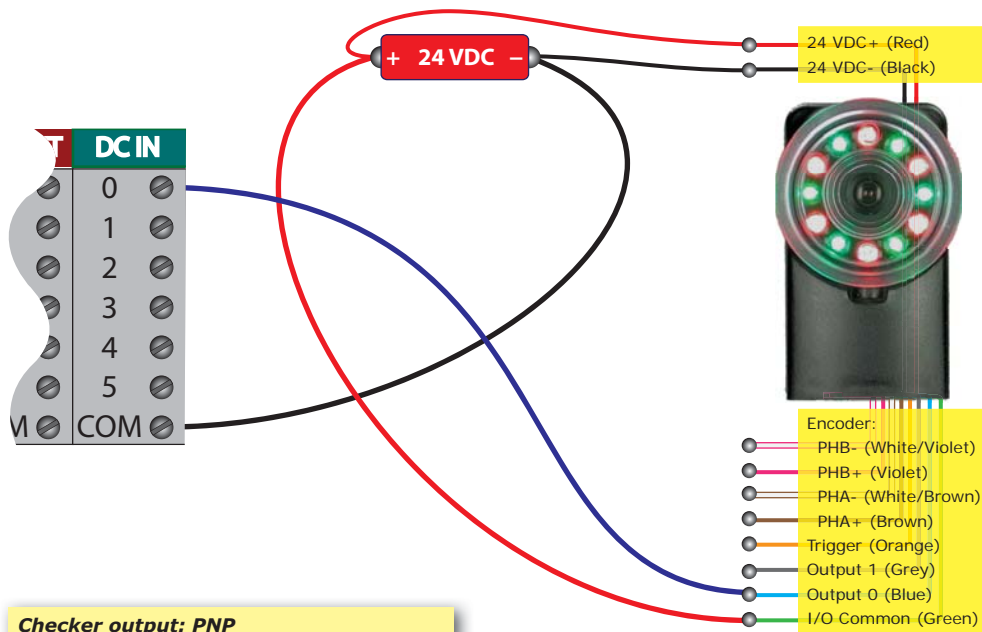
**Using a Checker Sensor with an Encoder**

- Connect a differential encoder
- Connect a single-ended encoder

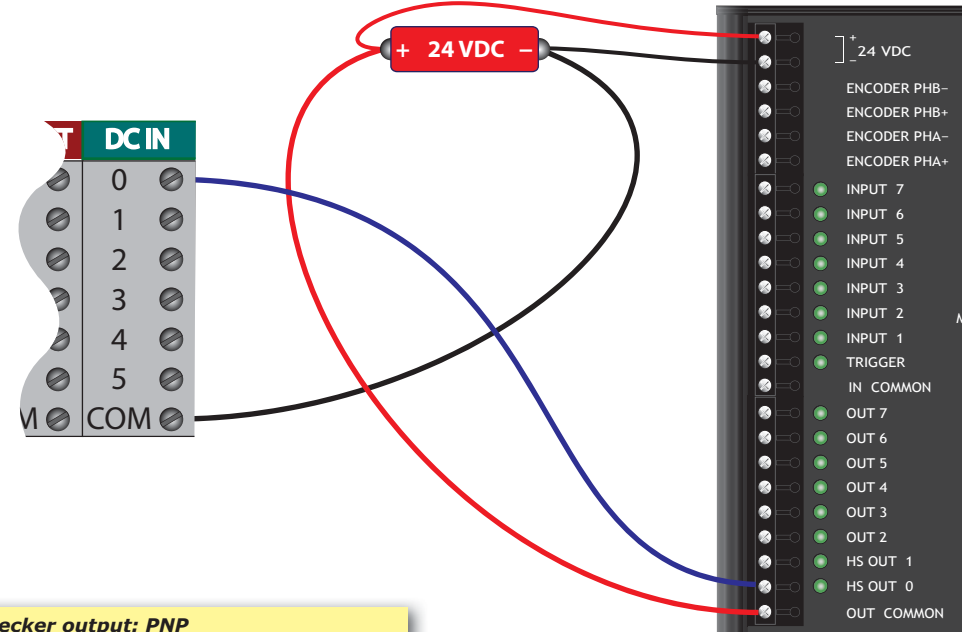




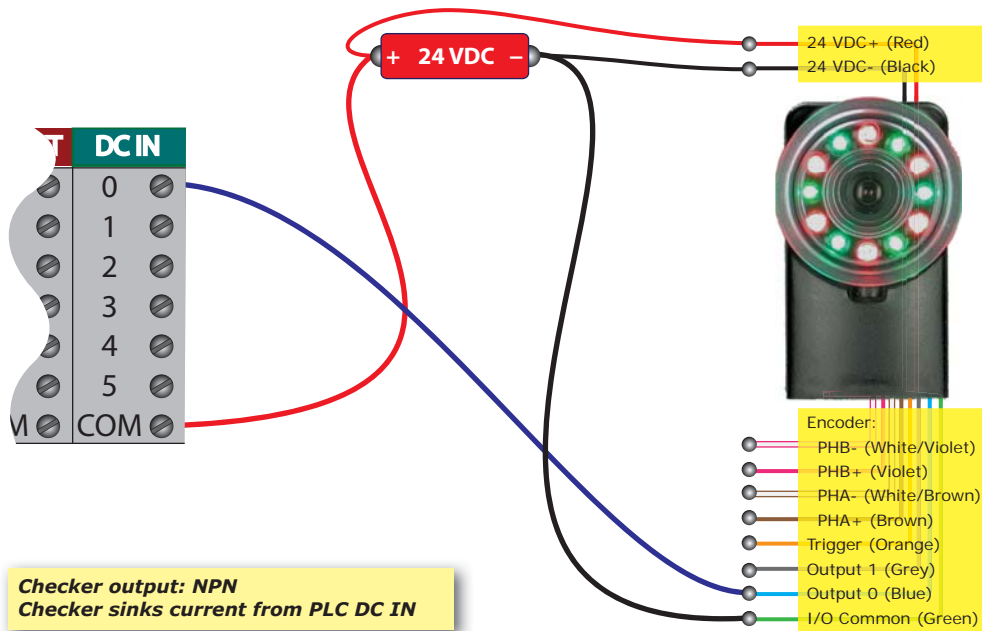




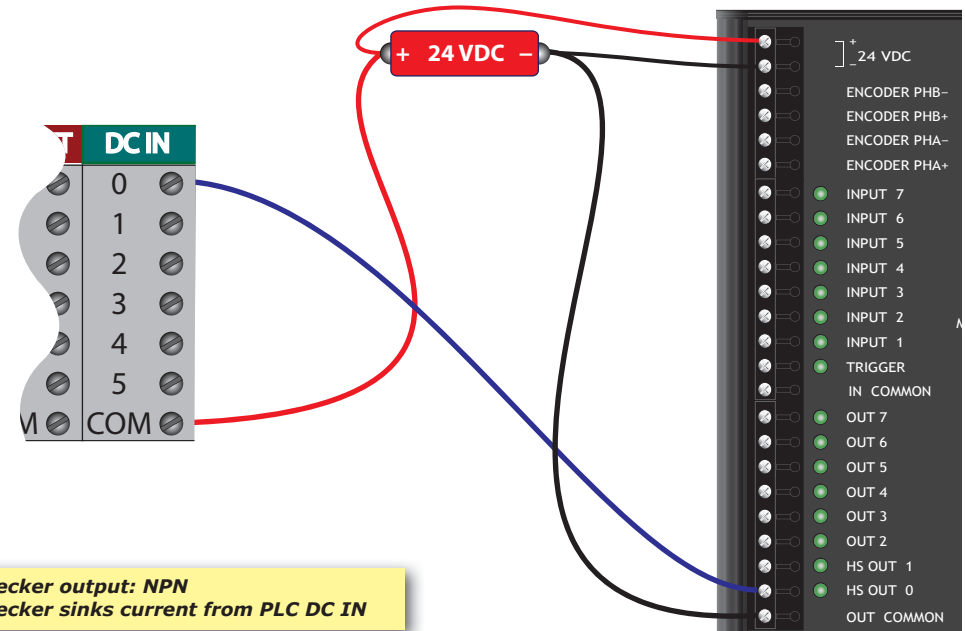
**Checker output: PNP**  
 Checker sources current to PLC DC IN



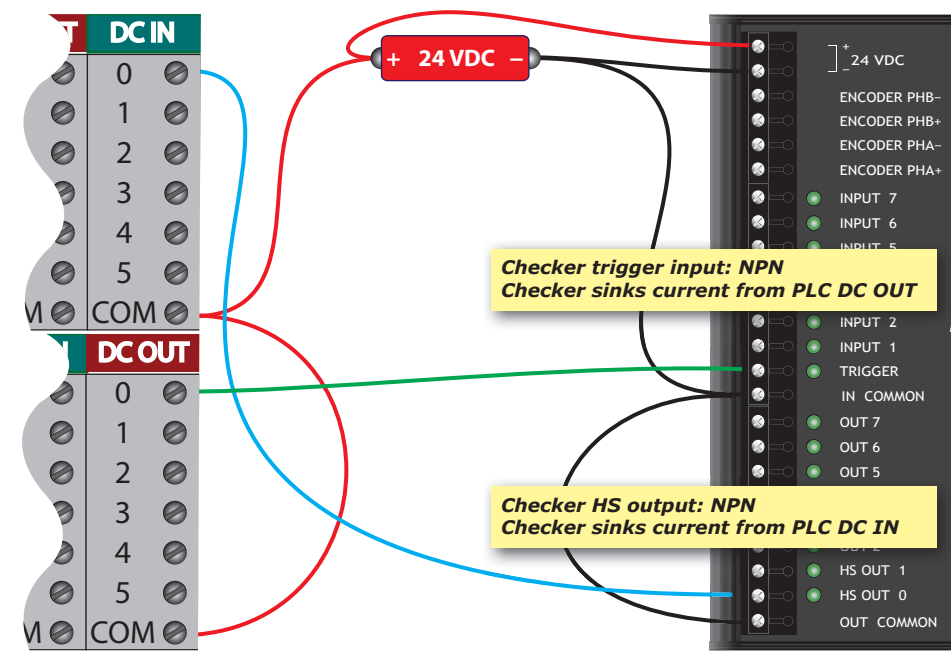
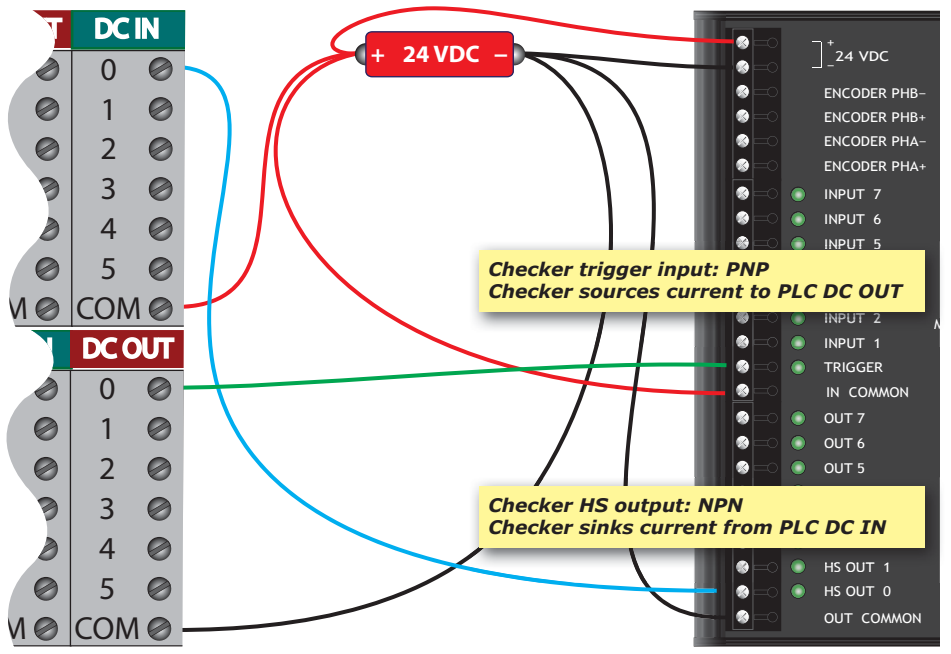
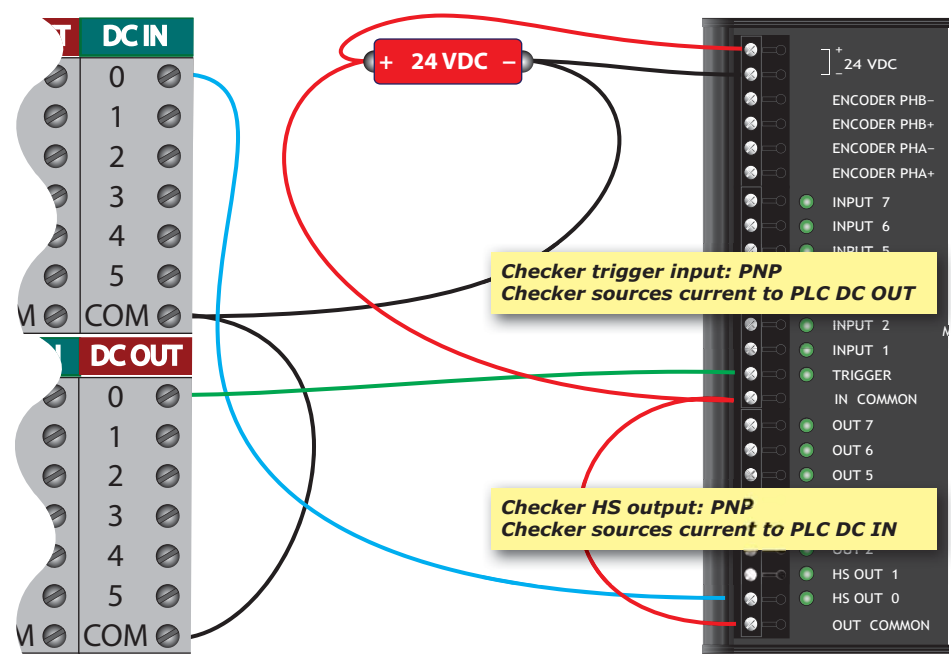
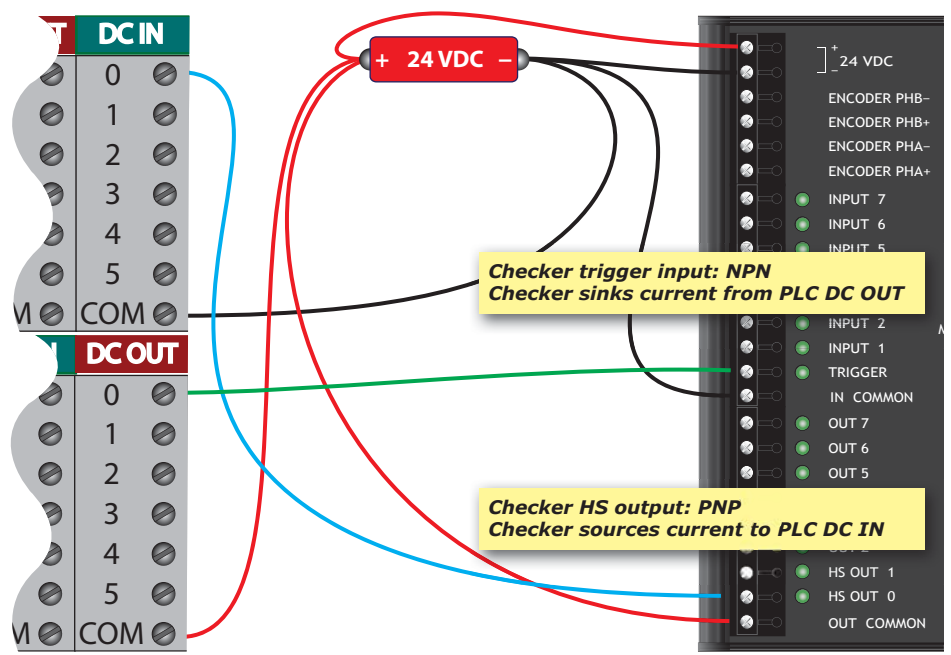
**Checker output: PNP**  
 Checker sources current to PLC DC IN

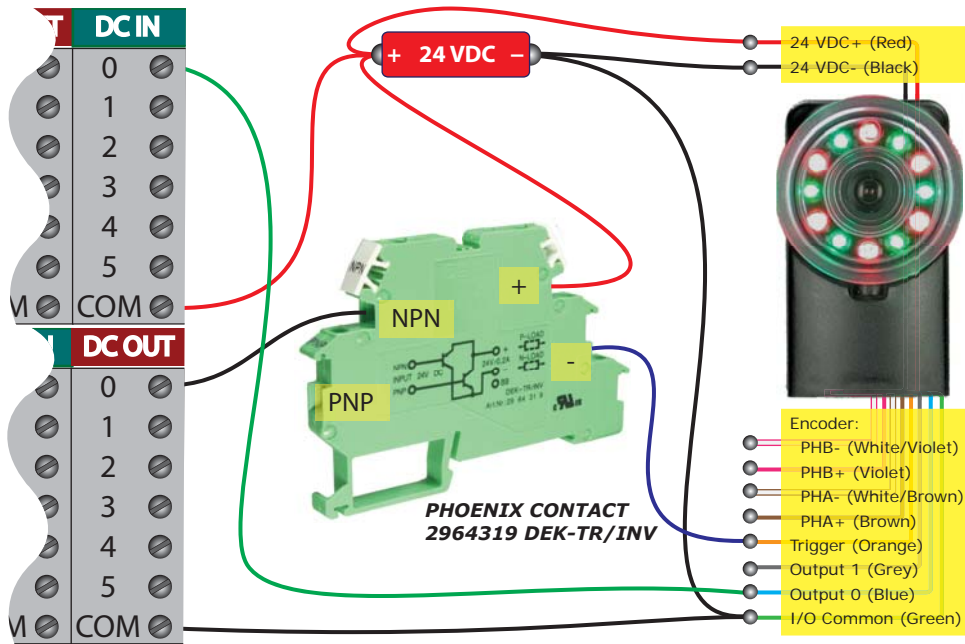


**Checker output: NPN**  
 Checker sinks current from PLC DC IN



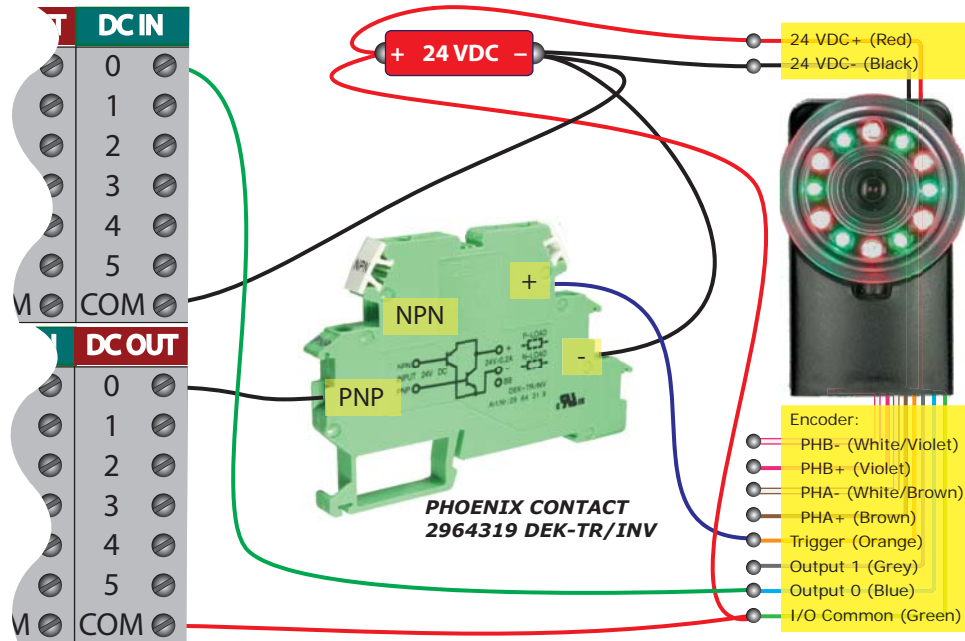
**Checker output: NPN**  
 Checker sinks current from PLC DC IN





**Checker trigger input: Converted from NPN to PNP using DEK-TR/INV**  
**Checker sources current to PLC DC OUT via NPN terminal on DEK-TR/INV**

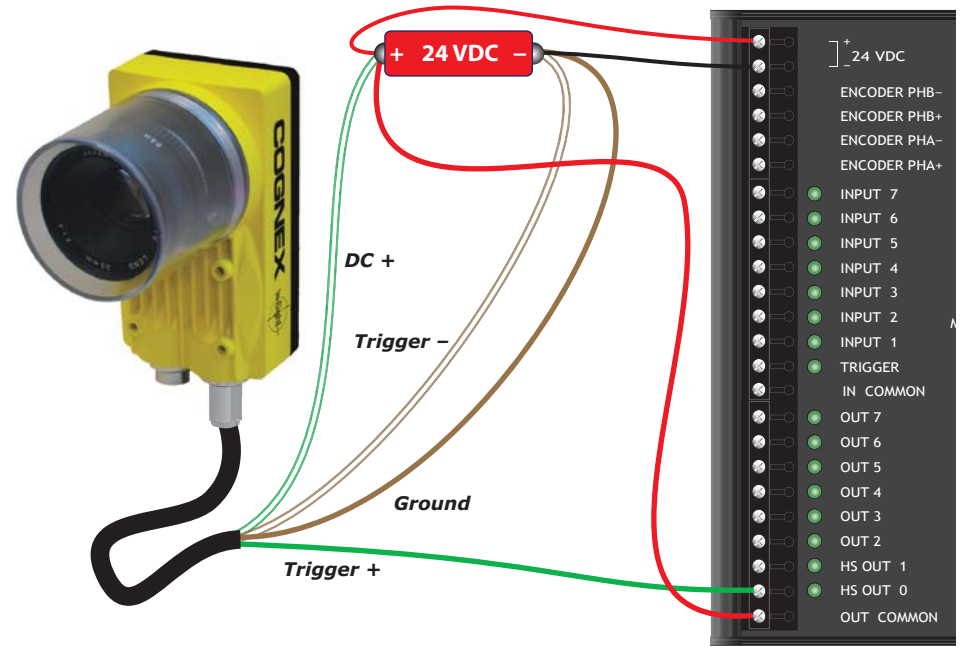
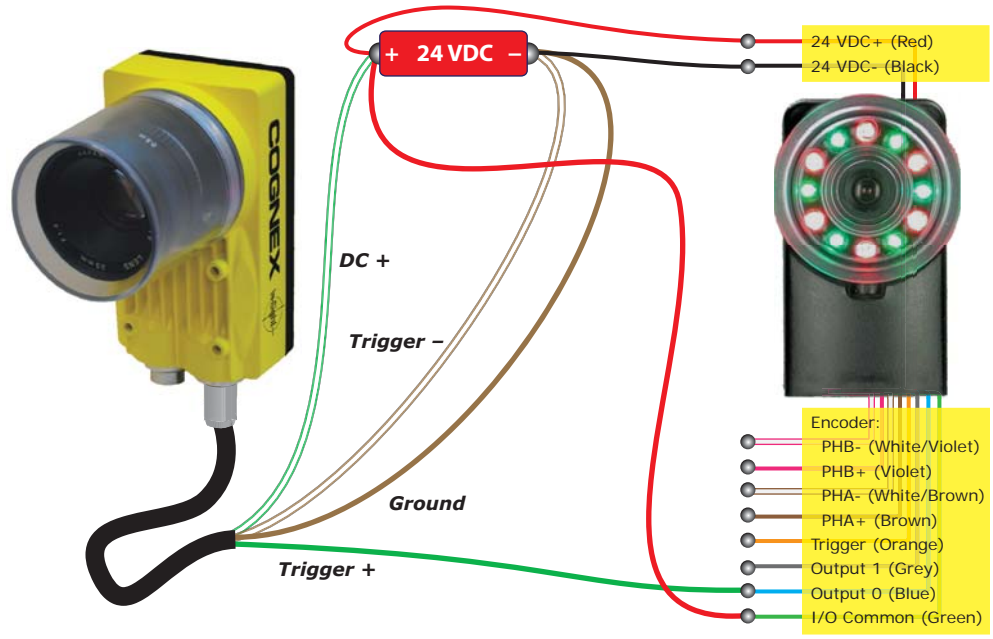
**Checker output: NPN**  
**Checker sinks current from PLC DC IN**



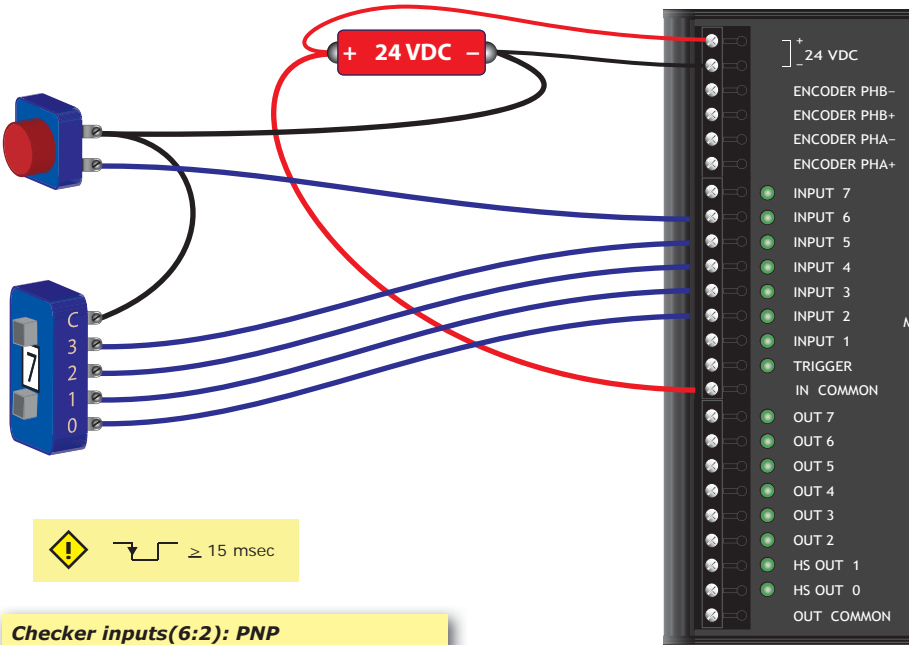
**Checker trigger input: Converted from PNP to NPN using DEK-TR/INV**  
**Checker sinks current from PLC DC OUT via PNP terminal on DEK-TR/INV**

**Checker output: PNP**  
**Checker sources current to PLC DC IN**



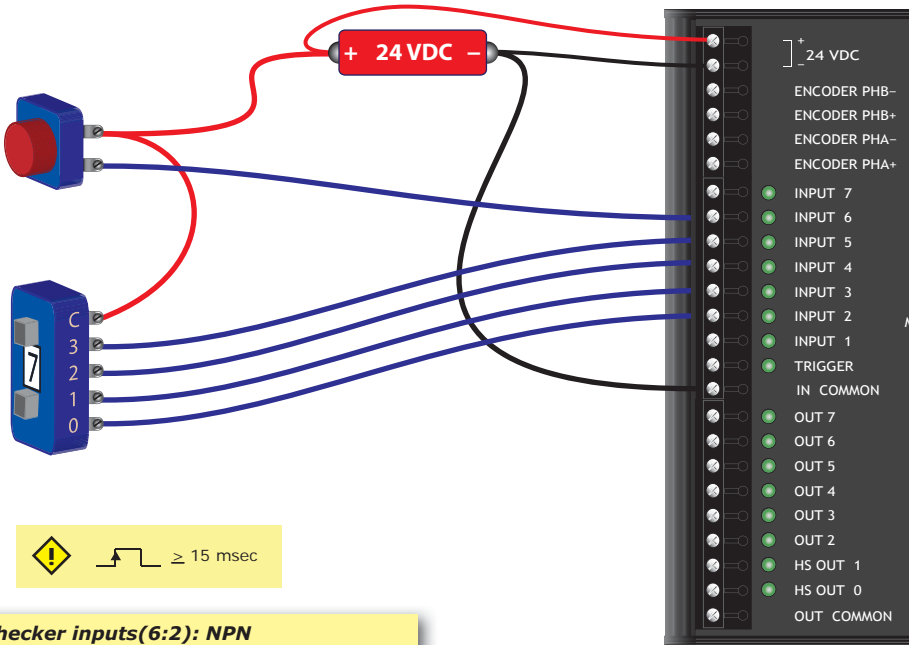






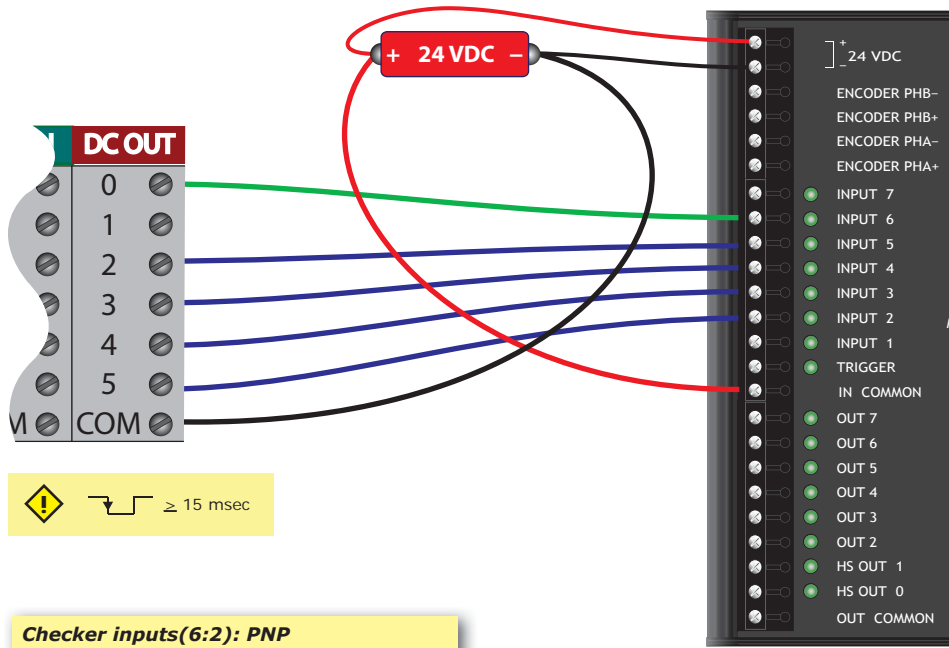
⚠ ≥ 15 msec

**Checker inputs(6:2): PNP**  
**Checker sources current to switches**

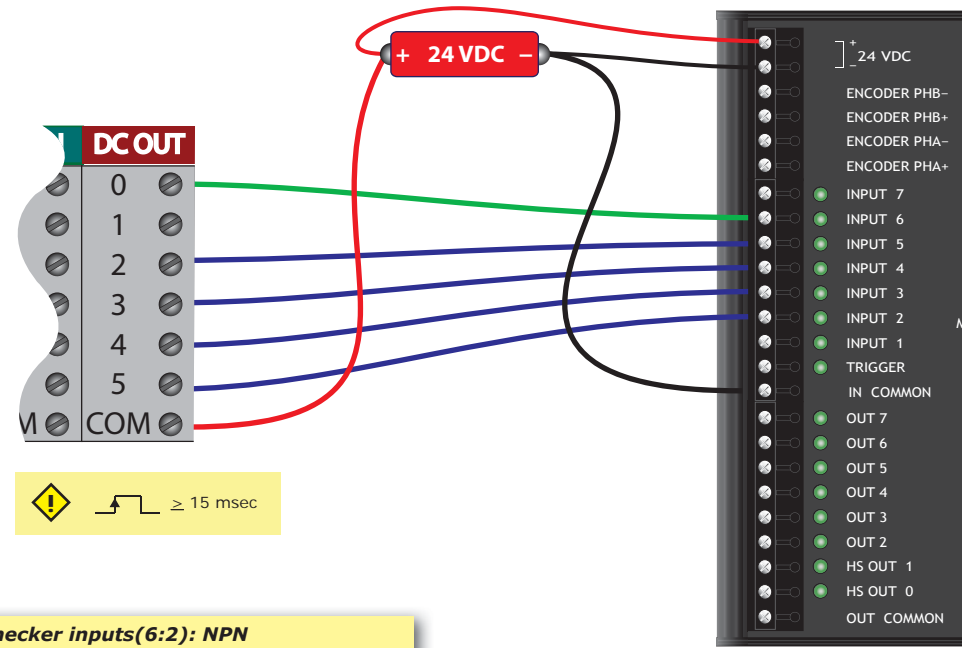


⚠ ≥ 15 msec

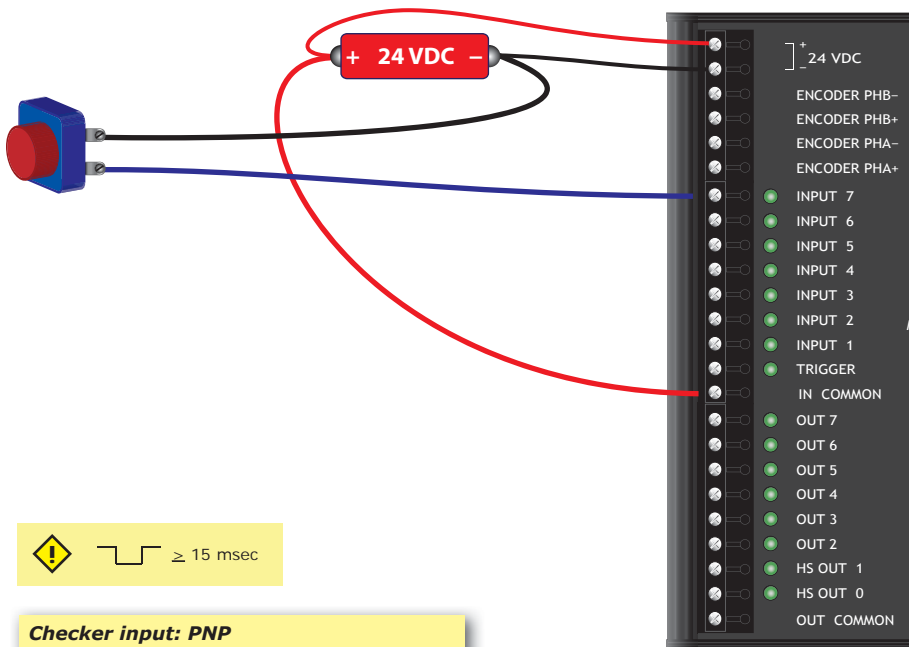
**Checker inputs(6:2): NPN**  
**Checker sinks current from switches**



**Checker inputs(6:2): PNP**  
**Checker sources current to PLC DC OUT**

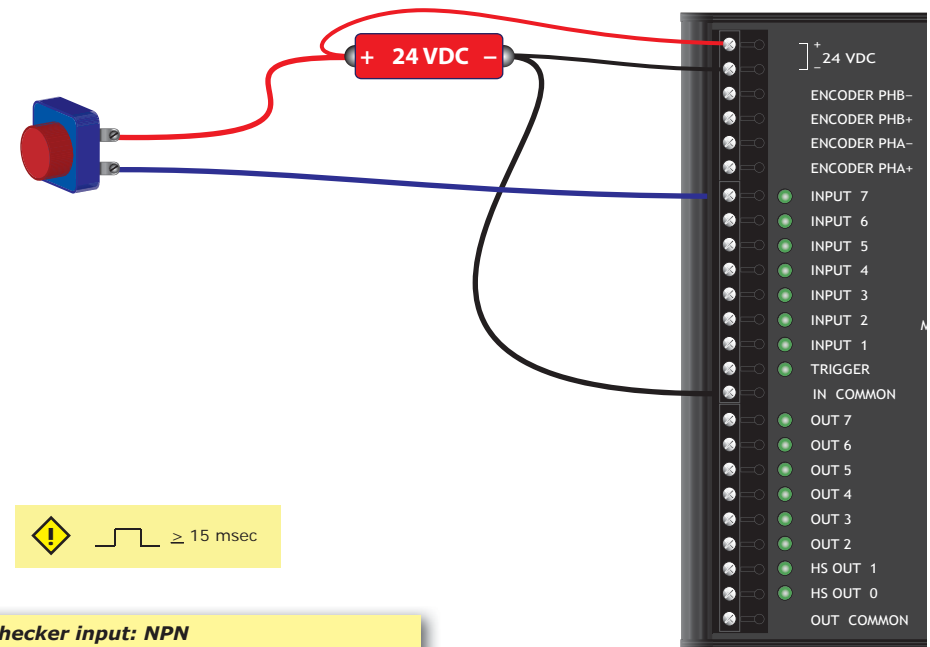


**Checker inputs(6:2): NPN**  
**Checker sinks current from PLC DC OUT**



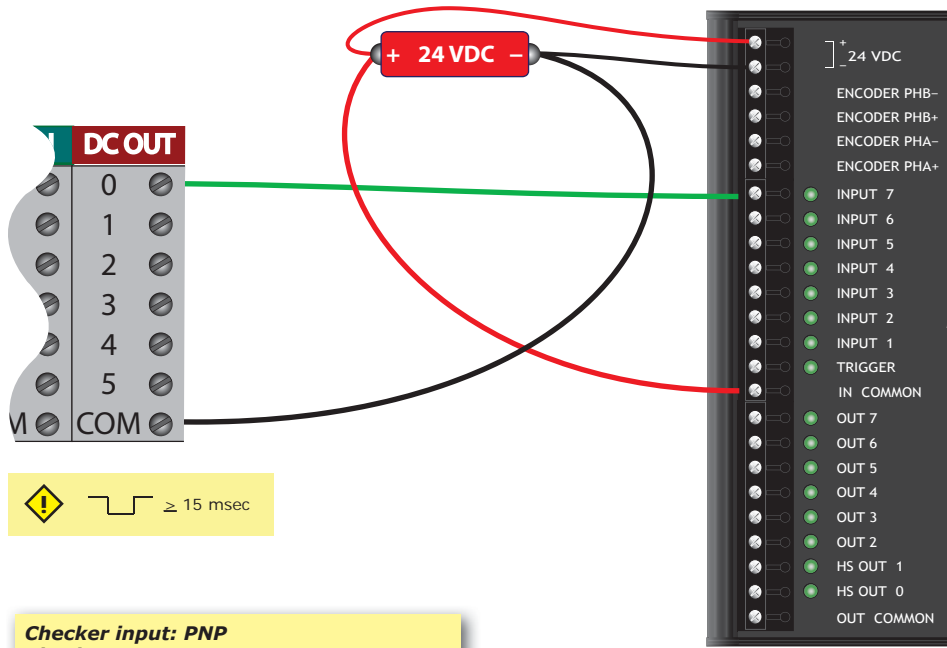
⚠  $\geq 15 \text{ msec}$

**Checker input: PNP**  
**Checker sources current to switch**

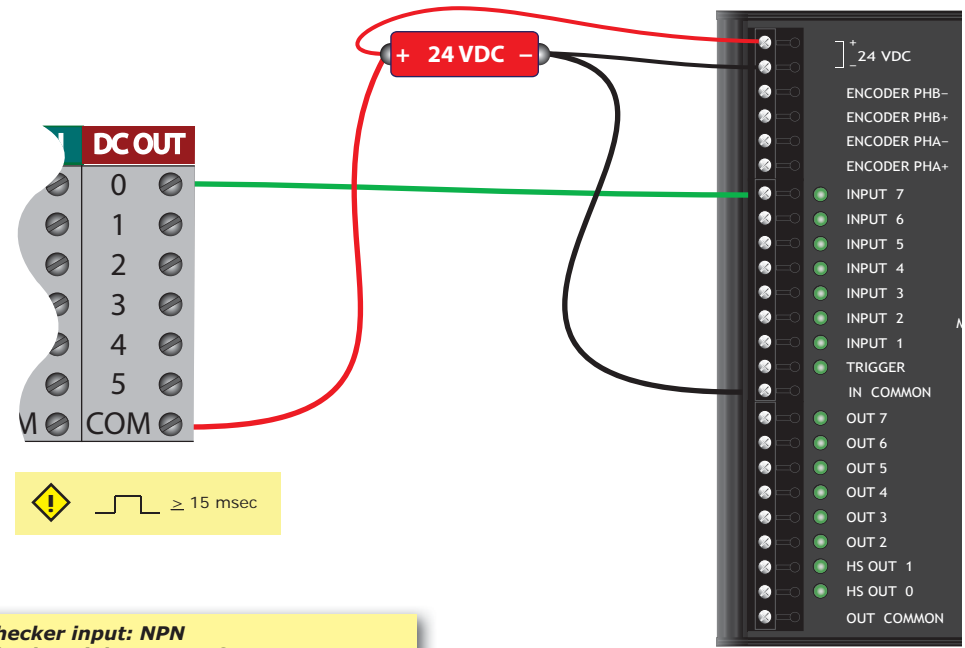


⚠  $\geq 15 \text{ msec}$

**Checker input: NPN**  
**Checker sinks current from switch**

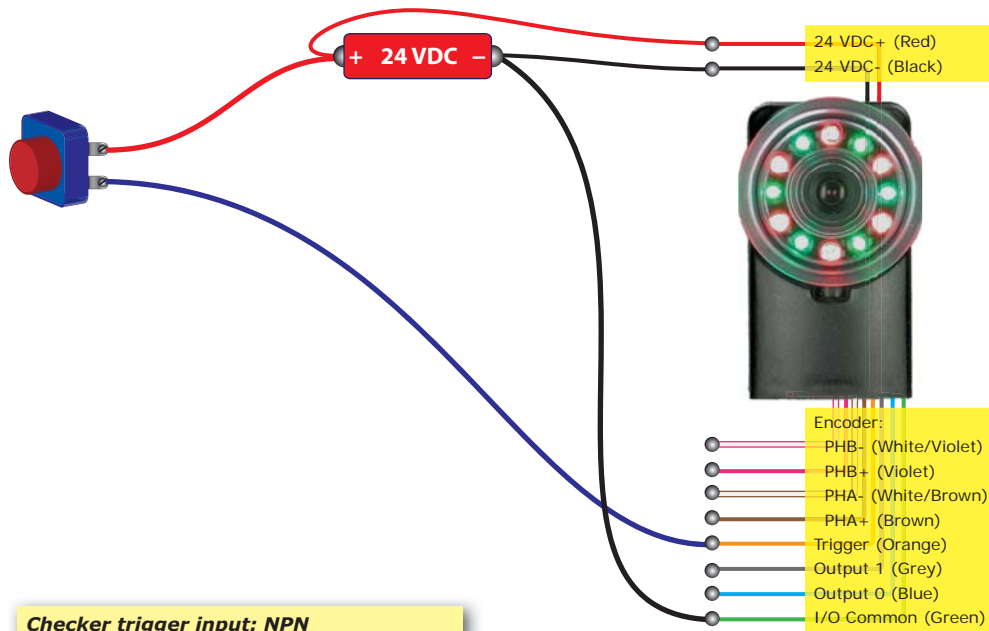


**Checker input: PNP**  
**Checker sources current to PLC DC OUT**

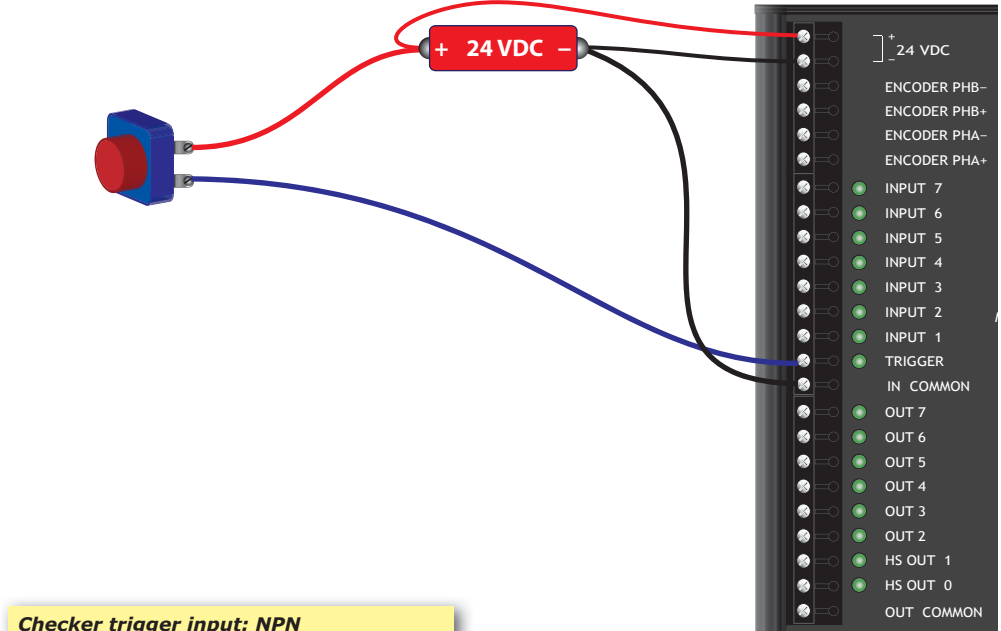


**Checker input: NPN**  
**Checker sinks current from PLC DC OUT**

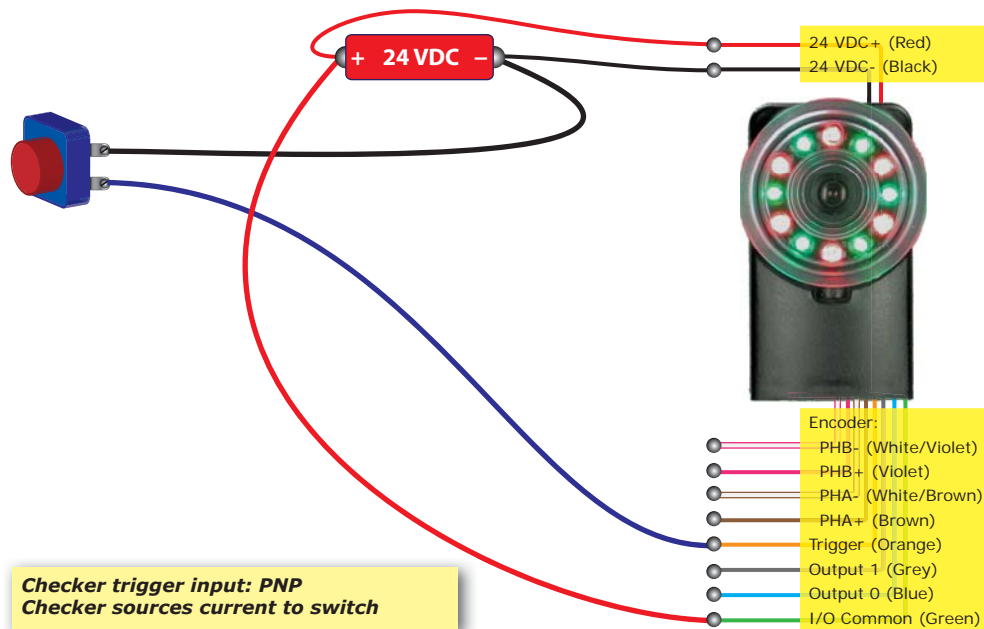
# Trigger a Checker sensor from a pushbutton



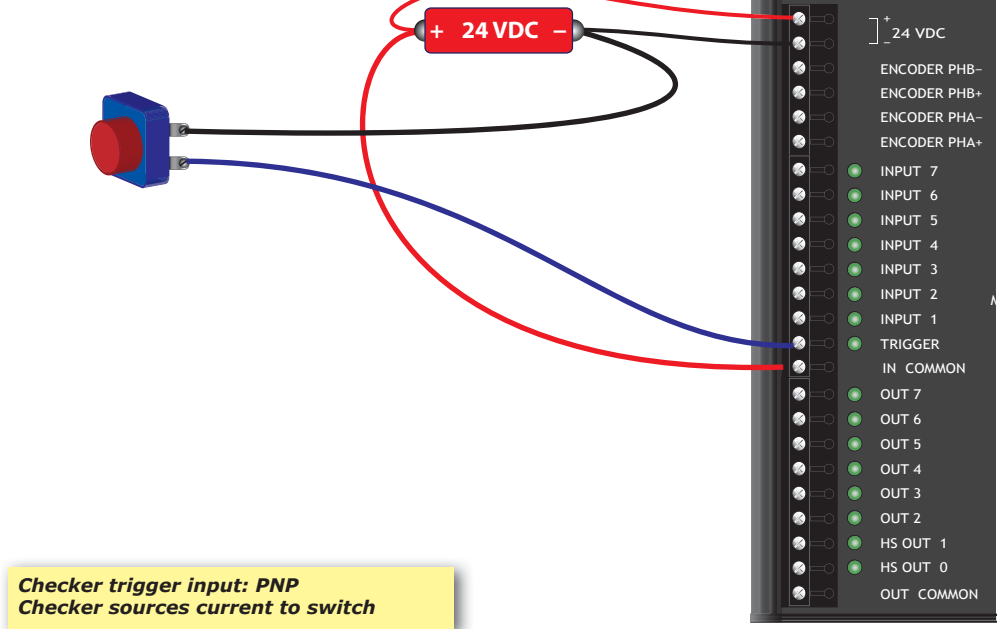
**Checker trigger input: NPN**  
Checker sinks current from switch



**Checker trigger input: NPN**  
Checker sinks current from switch

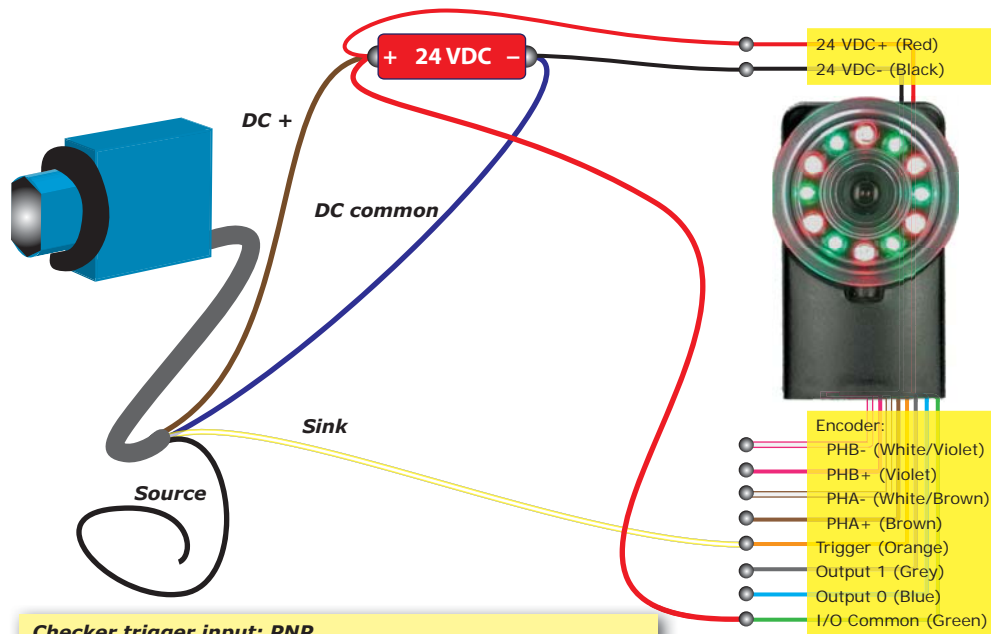


**Checker trigger input: PNP**  
Checker sources current to switch

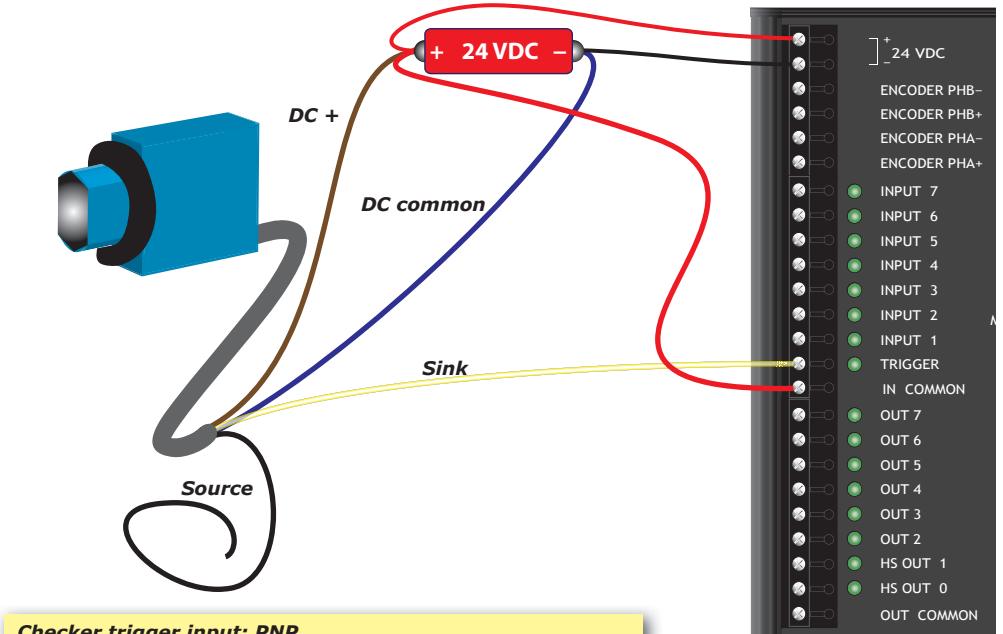


**Checker trigger input: PNP**  
Checker sources current to switch

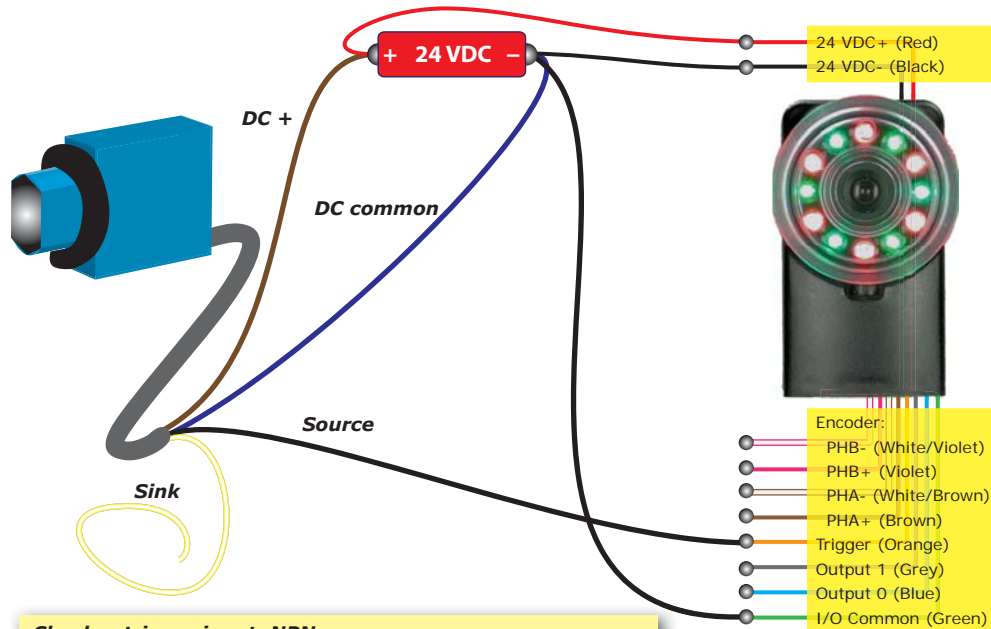
# Trigger a Checker sensor from a photosensor



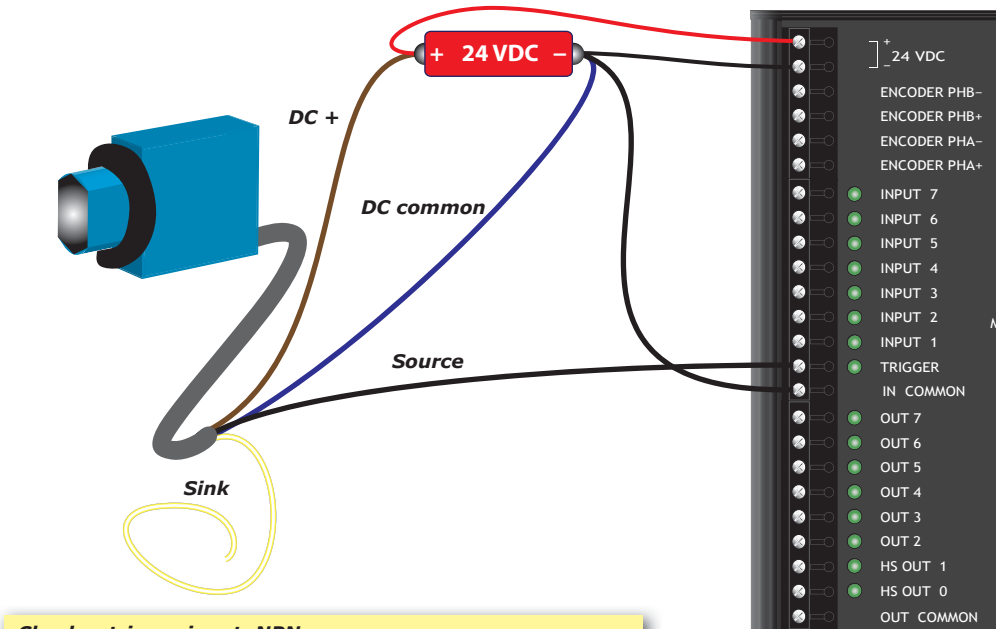
**Checker trigger input: PNP**  
 Checker sources current to photosensor's Sink line



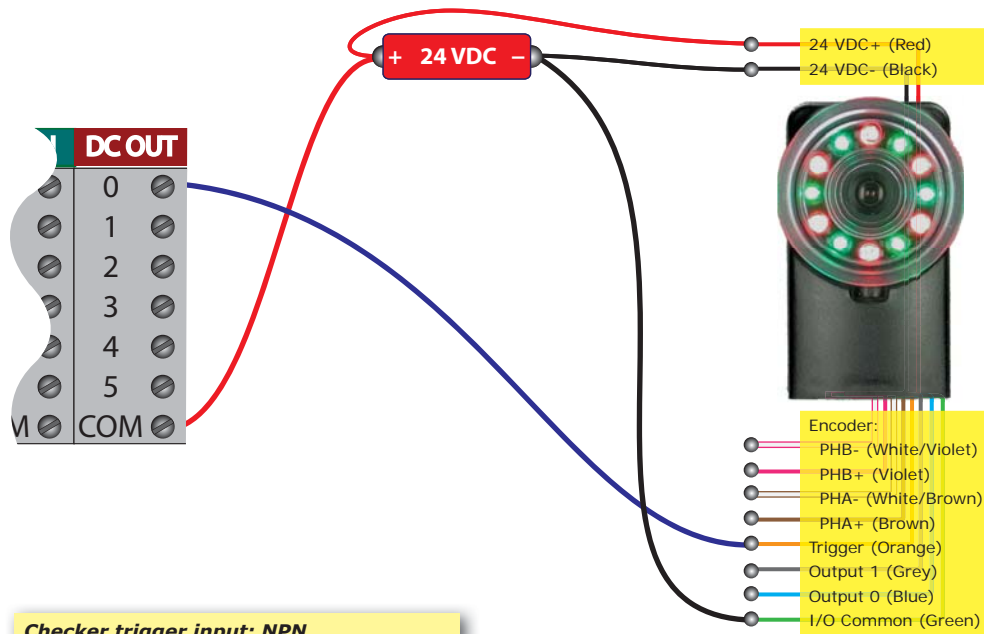
**Checker trigger input: PNP**  
 Checker sources current to photosensor's Sink line



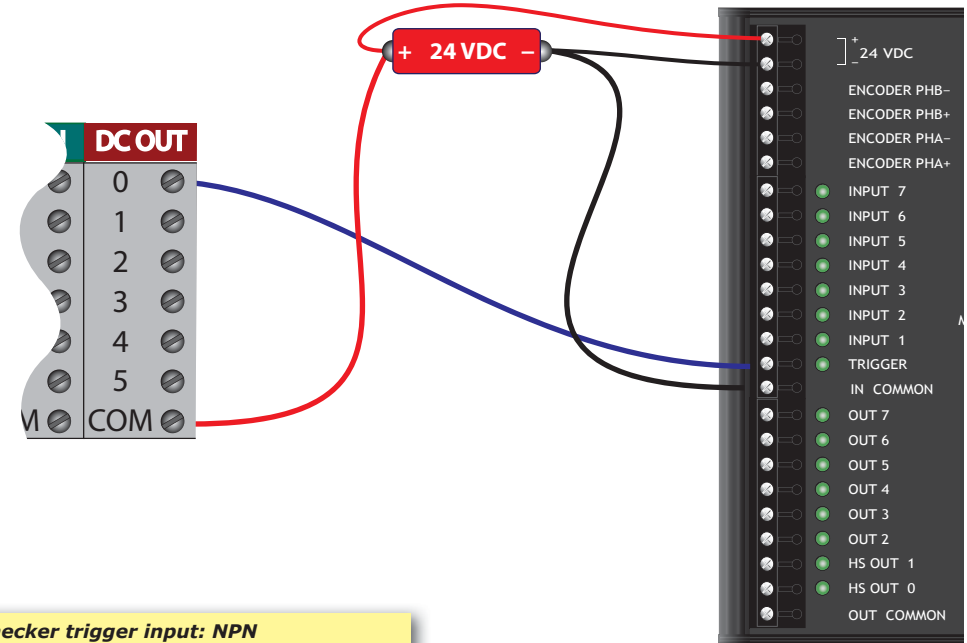
**Checker trigger input: NPN**  
 Checker sinks current from photosensor's Source line



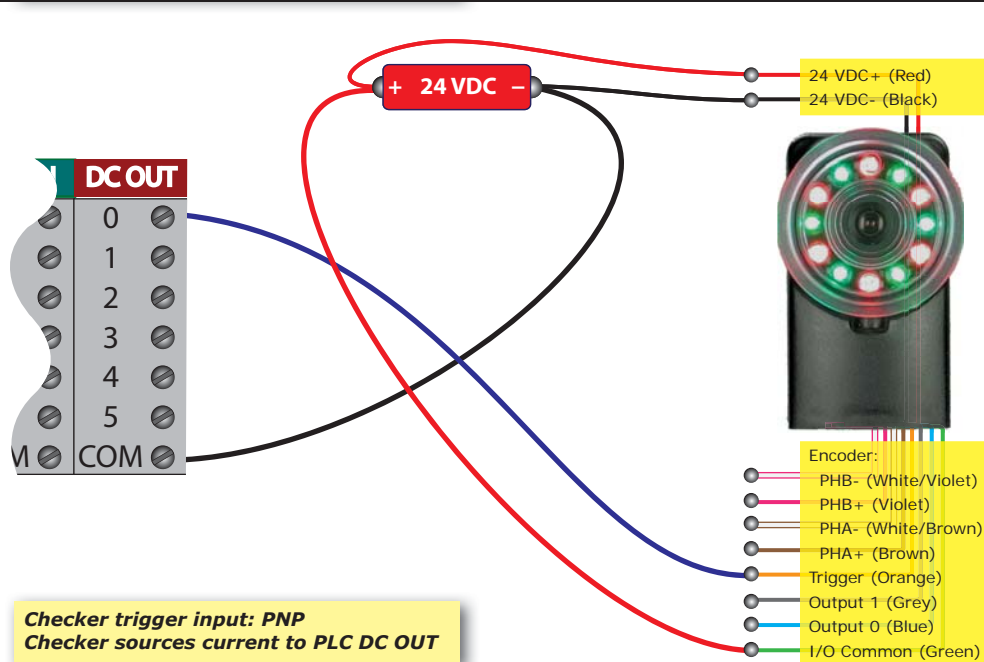
**Checker trigger input: NPN**  
 Checker sinks current from photosensor's Source line



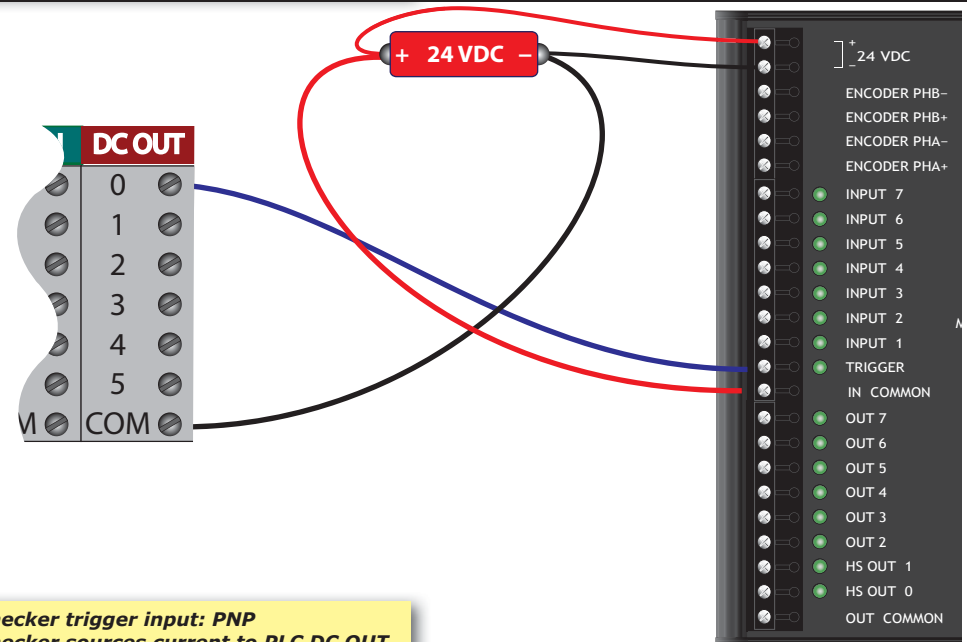
**Checker trigger input: NPN**  
**Checker sinks current from PLC DC OUT**



**Checker trigger input: NPN**  
**Checker sinks current from PLC DC OUT**

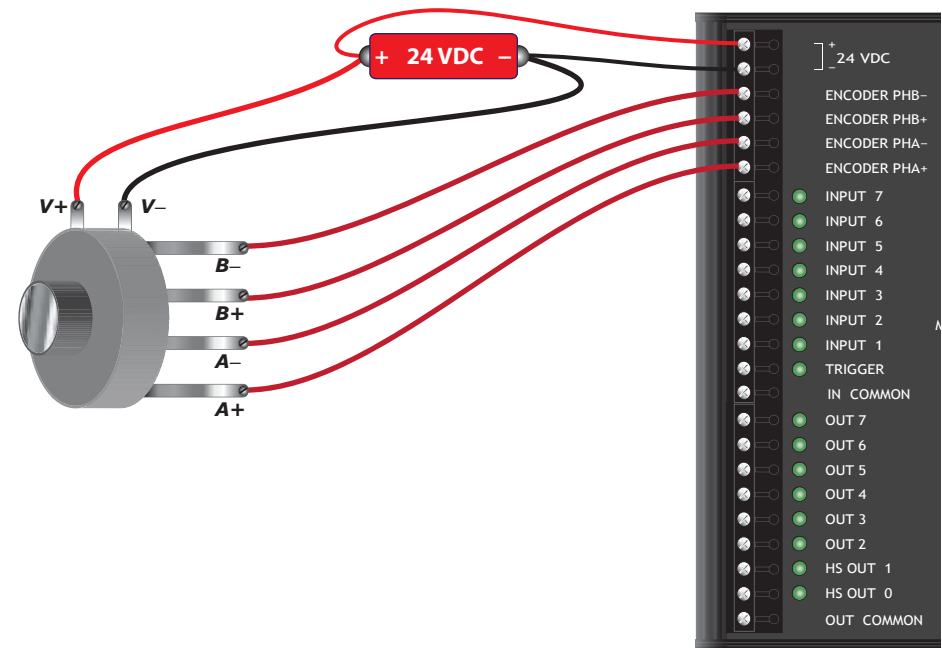
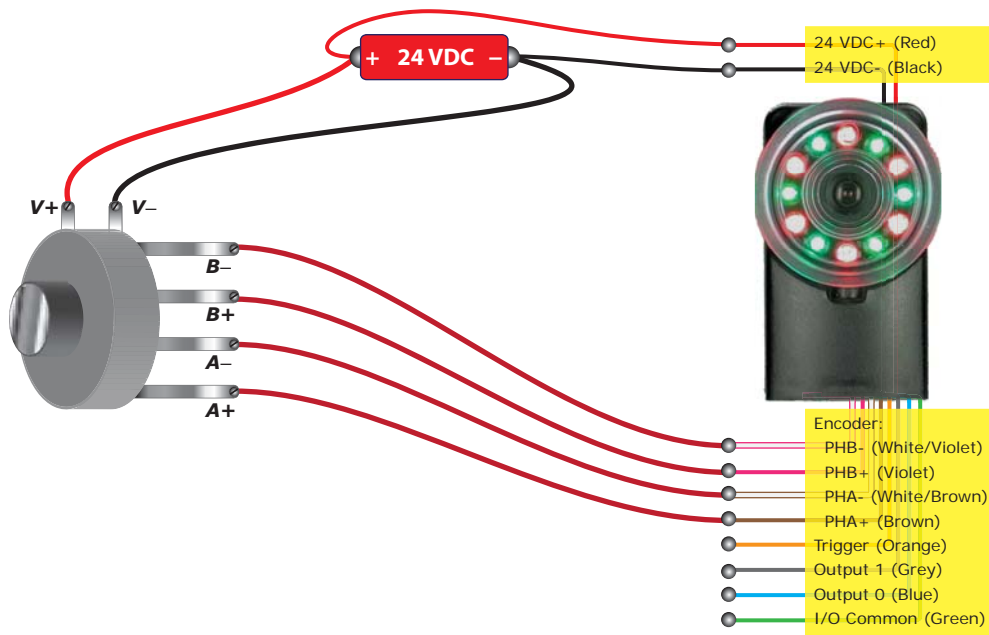


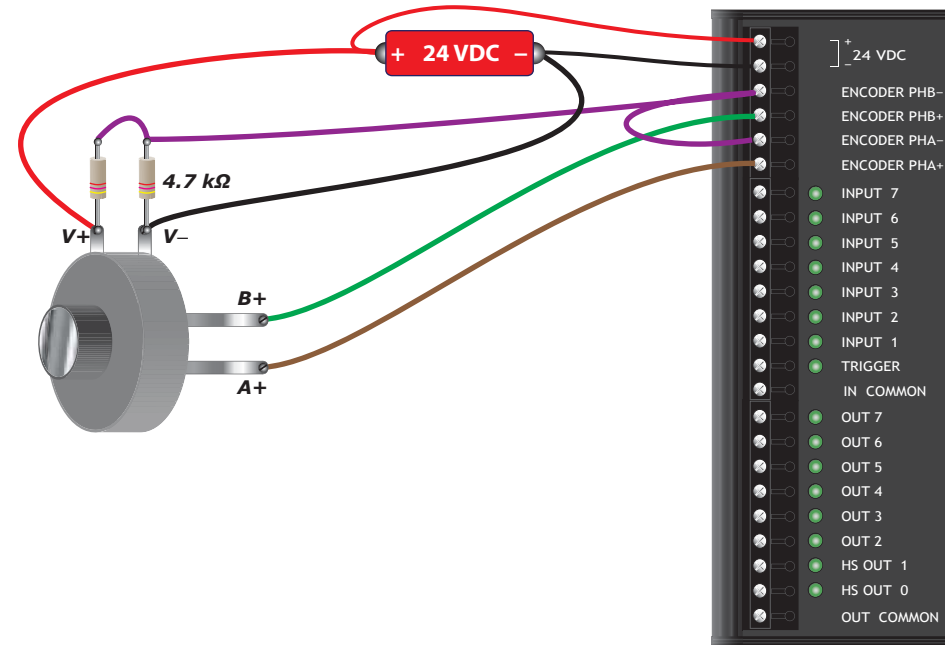
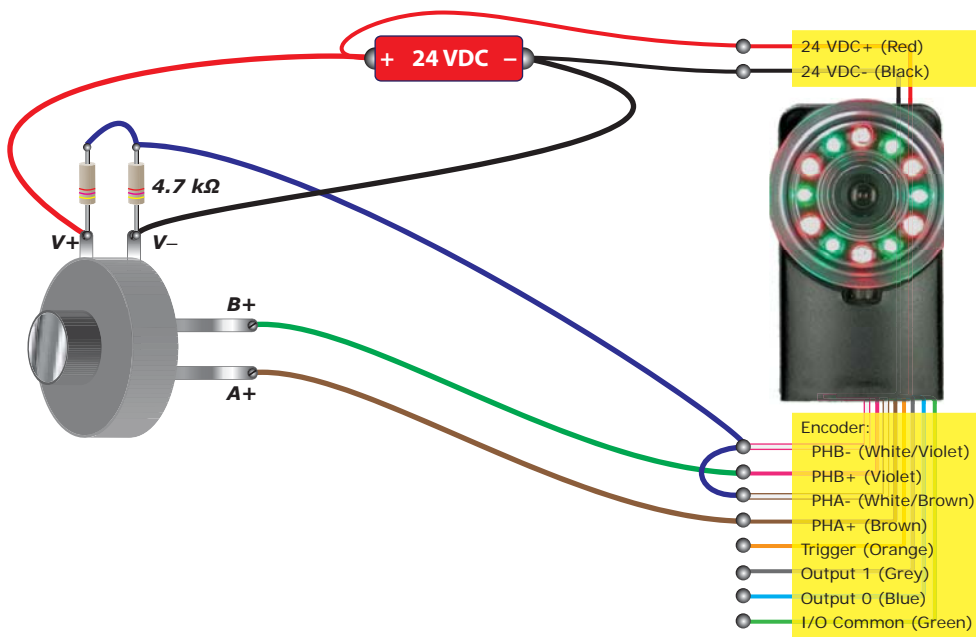
**Checker trigger input: PNP**  
**Checker sources current to PLC DC OUT**



**Checker trigger input: PNP**  
**Checker sources current to PLC DC OUT**







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