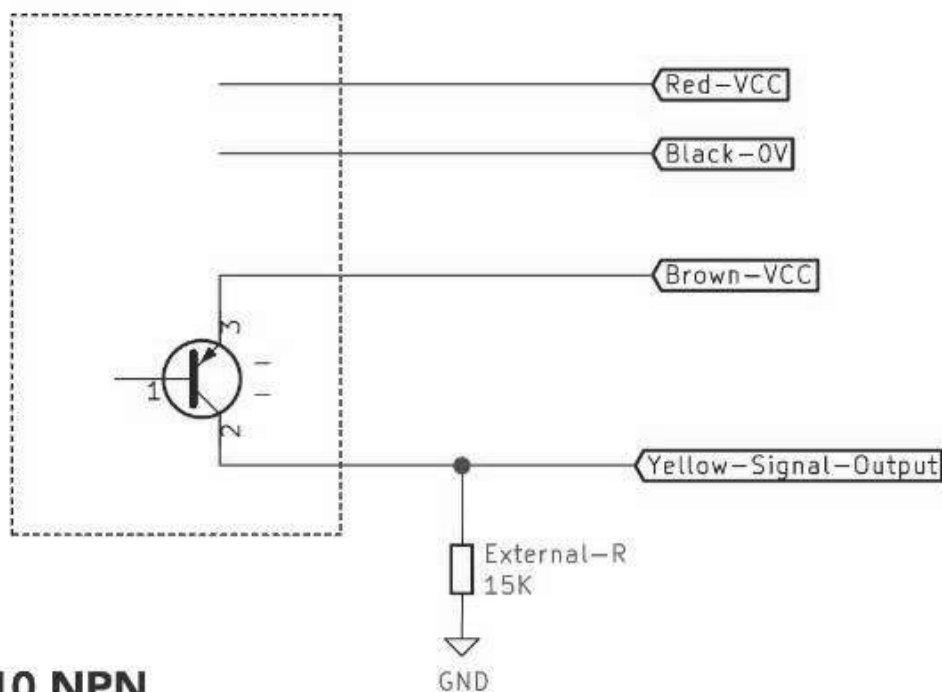


# Wiring Diagrams

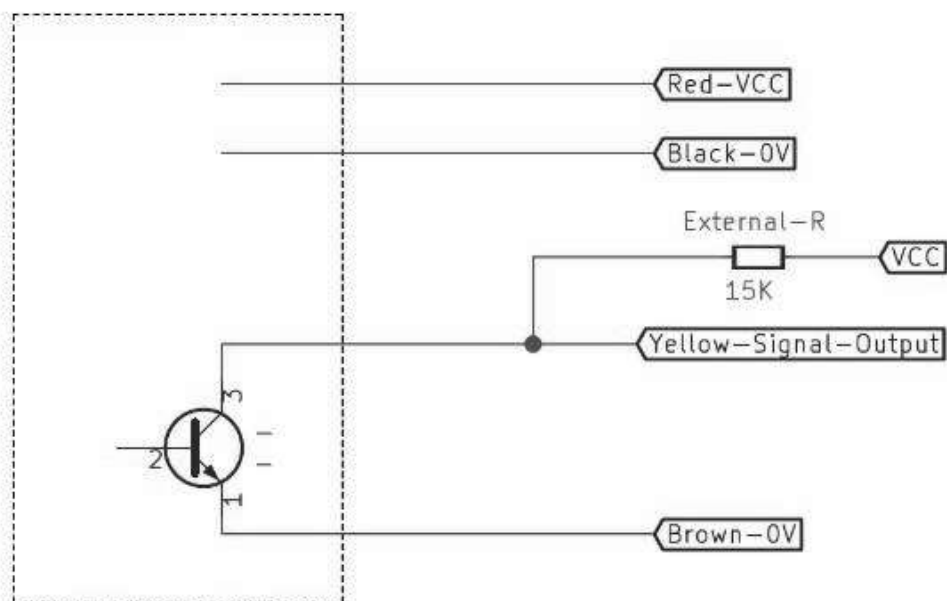
9

In some circumstances it is necessary to fit either a Pull-Up External Resistor or a Pull Down Resistor as illustrated in the diagrams below. Installation should only be conducted by competent persons.

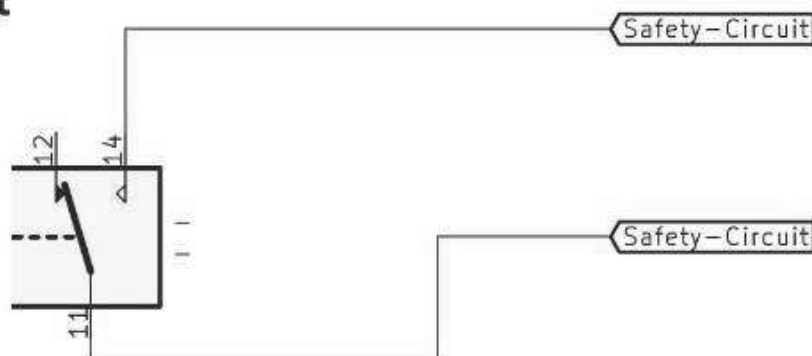
## Sprite10 PNP Trigger Output: High



## Sprite10 NPN Trigger Output: Low

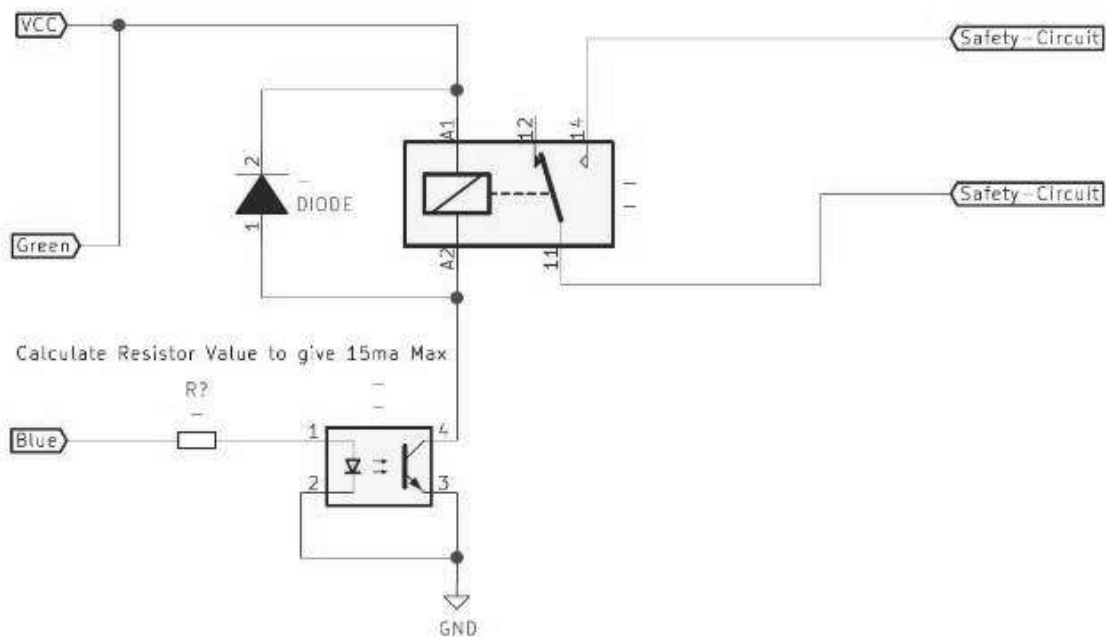


## Sprite10 Safety Circuit



The EMG Sprite10 has a built in Over-Travel Protection Circuit that protects the unit from damage if the touch plate travel exceeds approximately 2mm. To use this functionality we provide two safety circuit wires that can be hard-wired into your machines safety circuit, in order to instantly stop your machine if the over-travel safety switch is triggered. The total travel of the Sprite10 is 5mm.

## Sprite10 Example Wiring Diagram: Opto-Isolator Driven Relay



## EMG Sprite10 Example Wiring Diagram: Transistor Driven Relay

