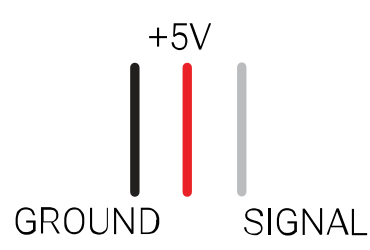


LEGEND

Power



PWM



CAN Bus

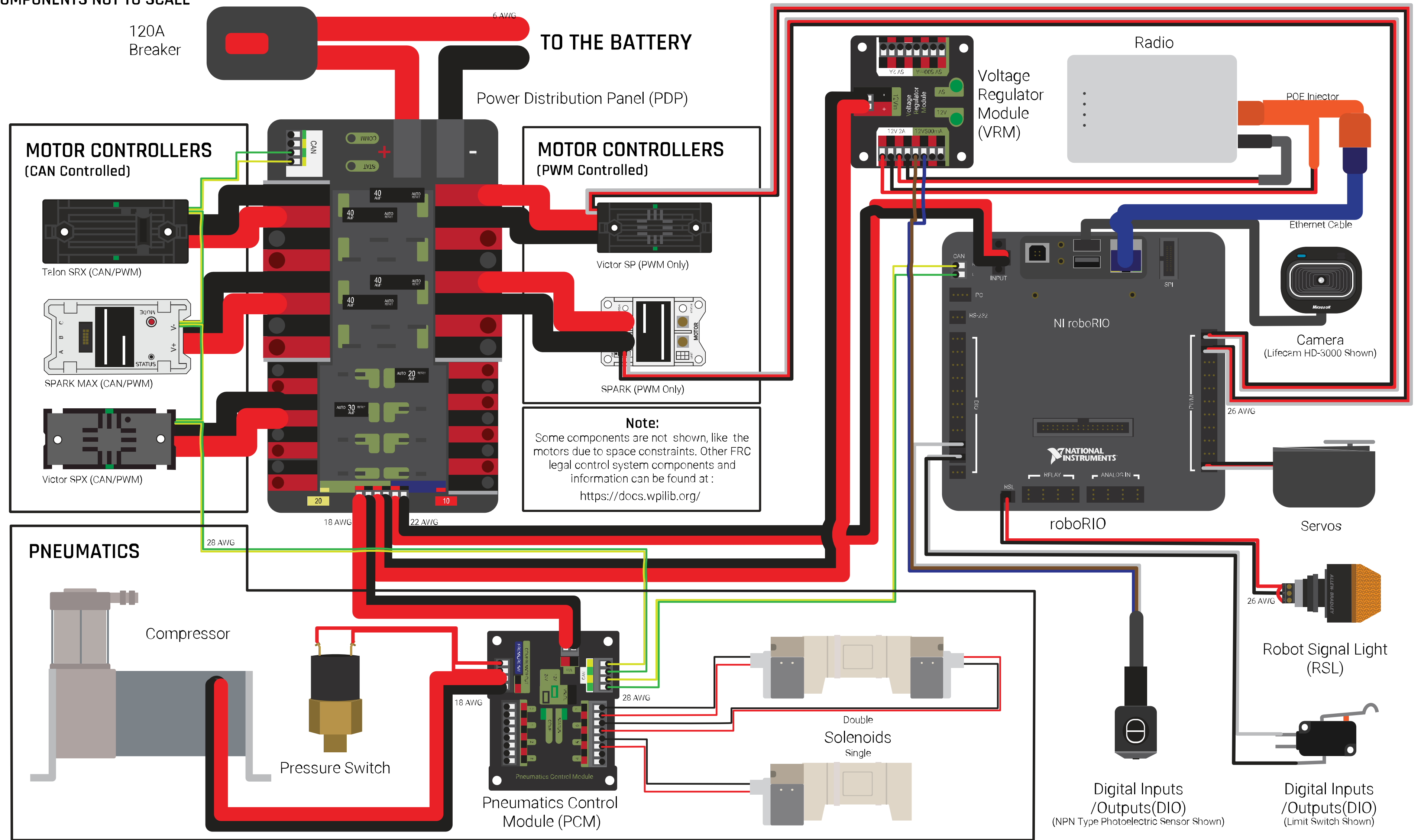


Gauges

Shown in American Wire Gauge(AWG)  
Minimum Gauge required per Connection shown



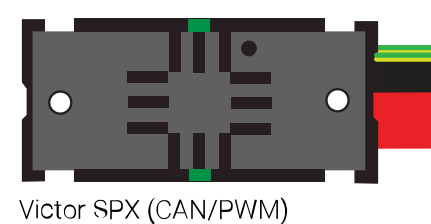
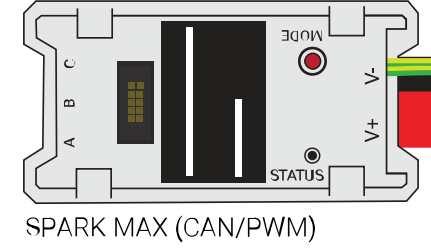
COMPONENTS NOT TO SCALE



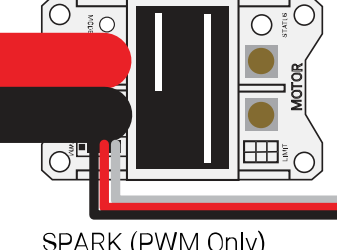
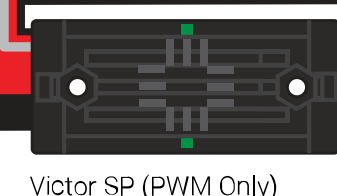
TO THE BATTERY

Power Distribution Panel (PDP)

MOTOR CONTROLLERS  
(CAN Controlled)

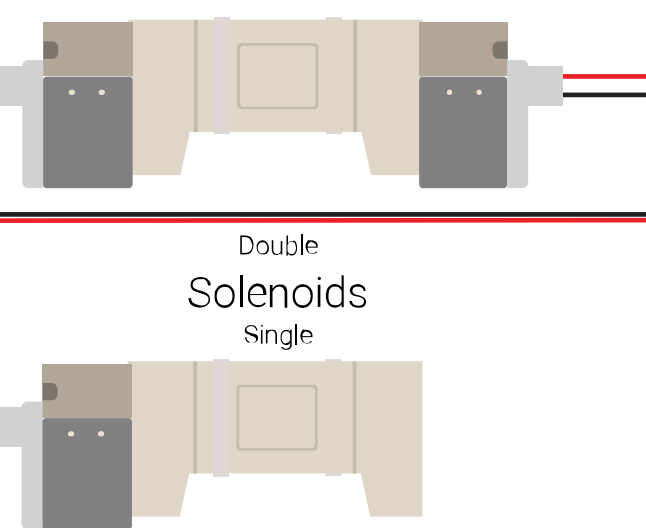
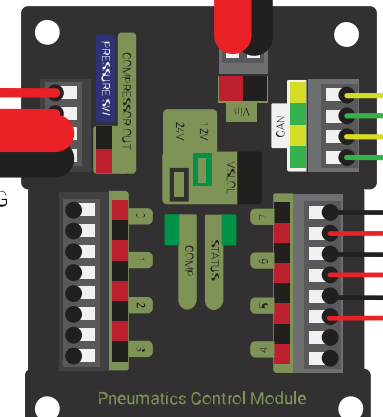
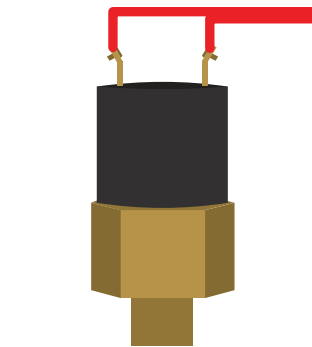
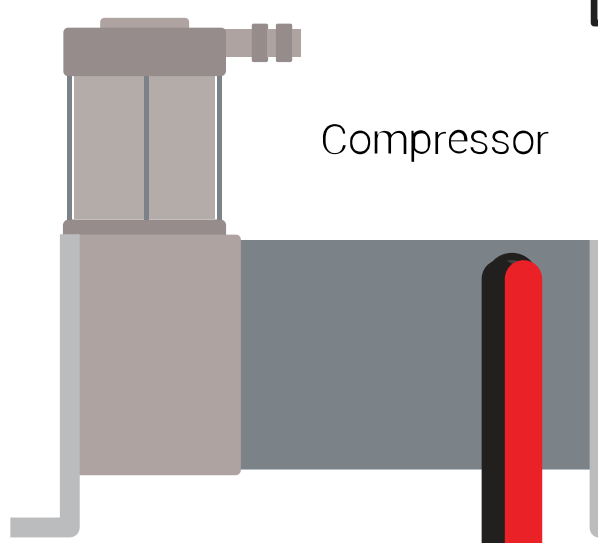


MOTOR CONTROLLERS  
(PWM Controlled)



**Note:**  
Some components are not shown, like the motors due to space constraints. Other FRC legal control system components and information can be found at :  
<https://docs.wpilib.org/>

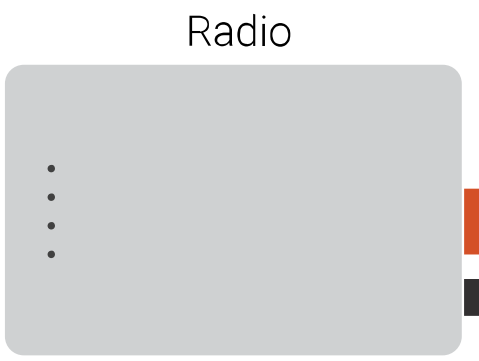
PNEUMATICS



Double Solenoids  
Single



Voltage Regulator Module (VRM)



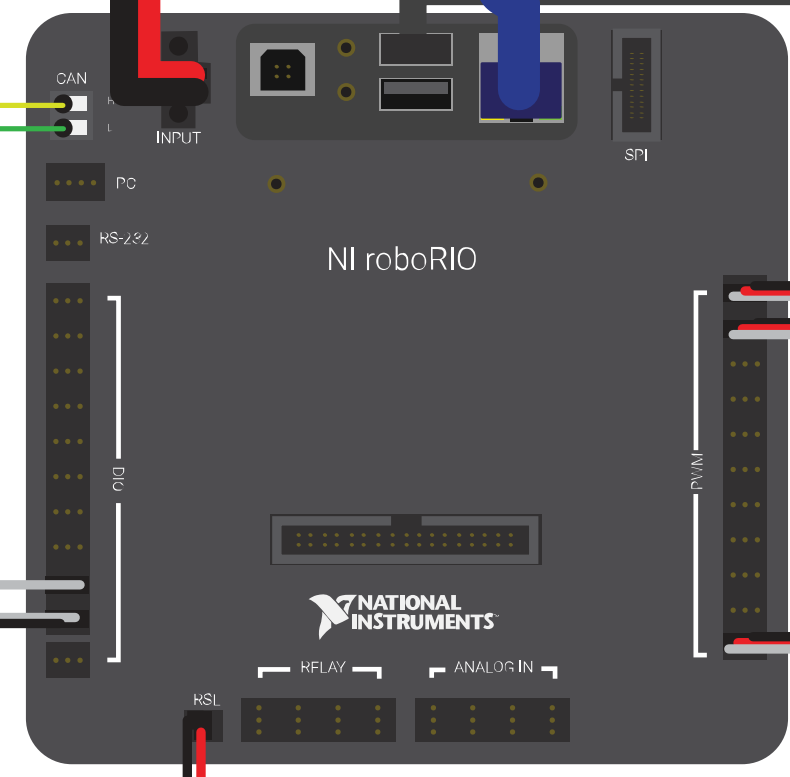
Radio



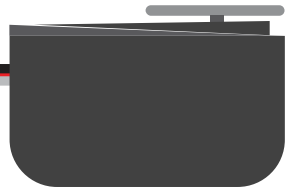
Ethernet Cable



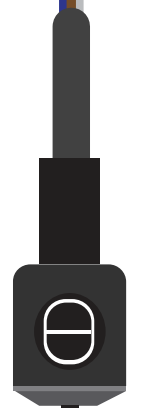
Camera  
(Lifecam HD-3000 Shown)



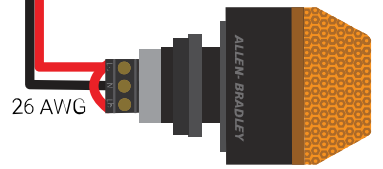
roboRIO



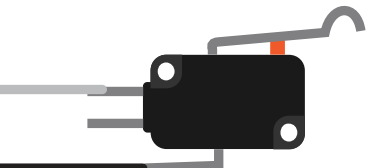
Servos



Digital Inputs /Outputs(DIO)  
(NPN Type Photoelectric Sensor Shown)



Robot Signal Light (RSL)



Digital Inputs /Outputs(DIO)  
(Limit Switch Shown)