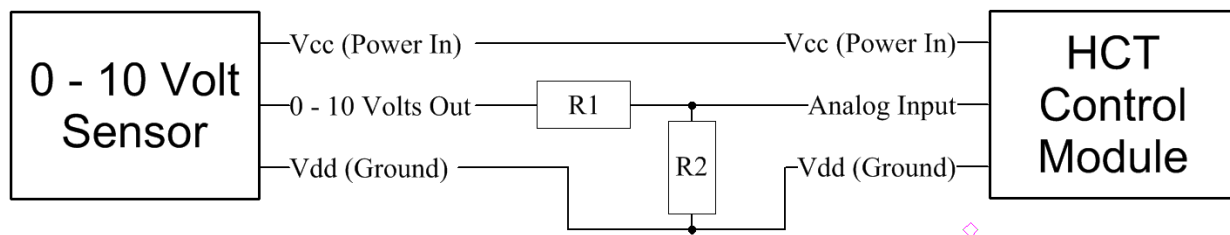


Introduction

The analog inputs on control modules manufactured by High Country Tek are scaled to accept a 0 – 5 Volt input. Applications that use sensors, joysticks, etc. that source 0 – 10 Volts to the input may be used simply by installing a voltage divider between the Control Modules input and the sensor. A voltage divider is simply two resistors used to divide a voltage by a known ratio. In this case, changing a 0 – 10 Volt signal to a 0 – 5 Volt signal is simply dividing by 2 so the same value resistor will be used on both sides of the divider.

Simplified Wiring Diagram



NOTES:

1. R1 and R2 – 10K Ω , ¼ W, 1% (Larger power rating or tolerance is allowable)