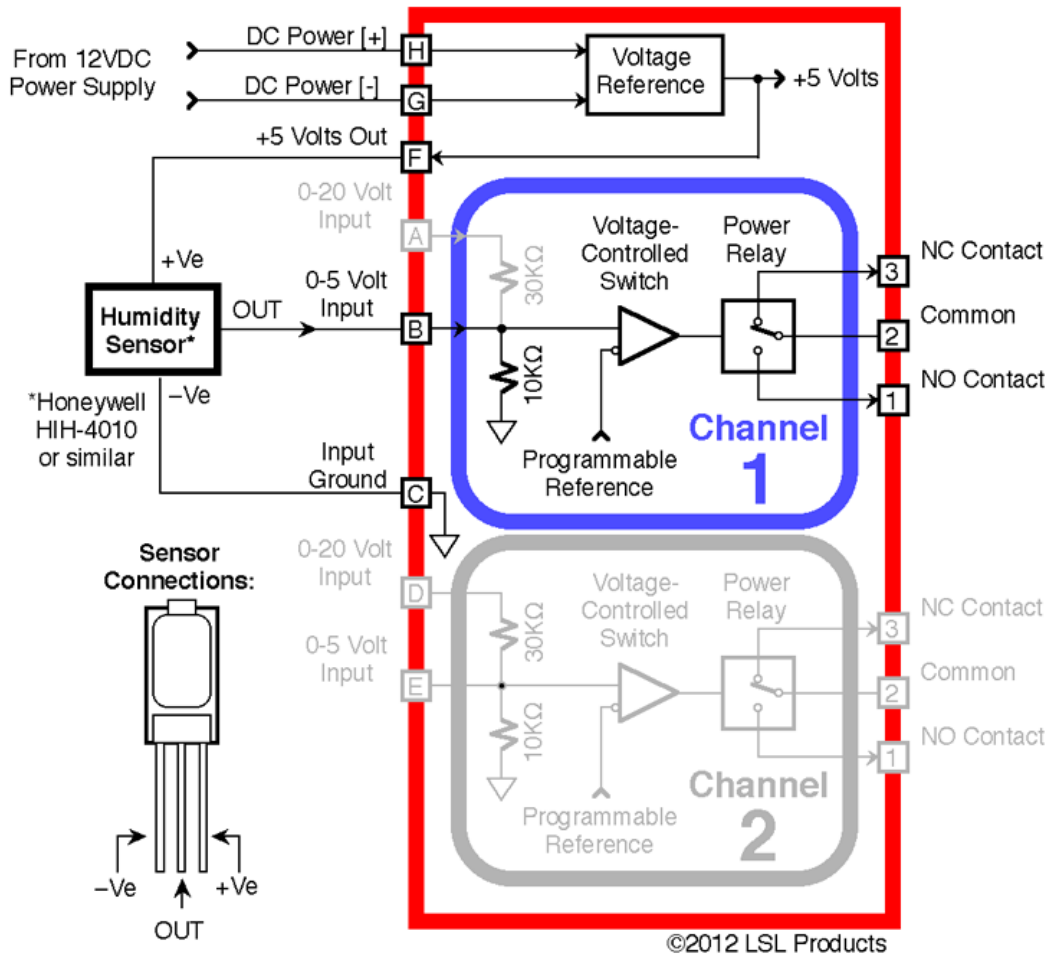


Pro-VCS™ Application Example:

HUMIDISTAT



This configuration uses a humidity sensor that produces a voltage which is proportional to the relative humidity level. Only one of **Pro-VCS's** two channels is required to build this circuit.

A typical application might be to control a small heating element mounted inside a humidifier, thereby controlling the humidity.

This particular Honeywell sensor produces approx. 0.75 VDC at 0 percent humidity, and approx. 3.75 VDC at 100 percent - which means that the **Pro-VCS's** relay will actuate when the humidity rises.

The sensor requires +5 VDC at less than 0.5 mA, and thus can be powered by the **Pro-VCS's** 5 volt reference voltage output (Terminal F).

Since this humidity sensor may also be affected by light exposure, it should be mounted in a light-tight enclosure.

Source for the HIH-4010 Humidity Sensor: MOUSER ELECTRONICS (www.mouser.com)