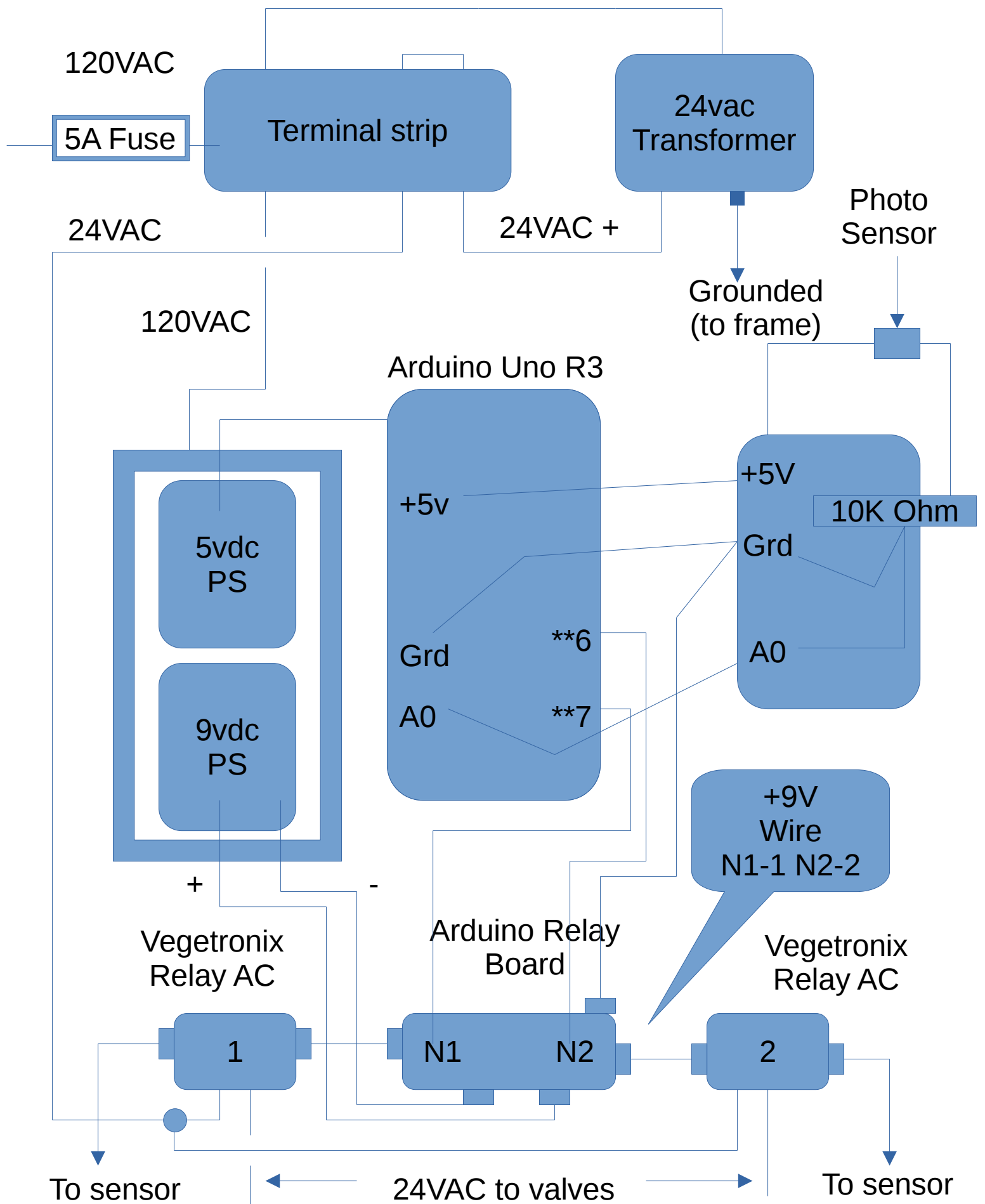
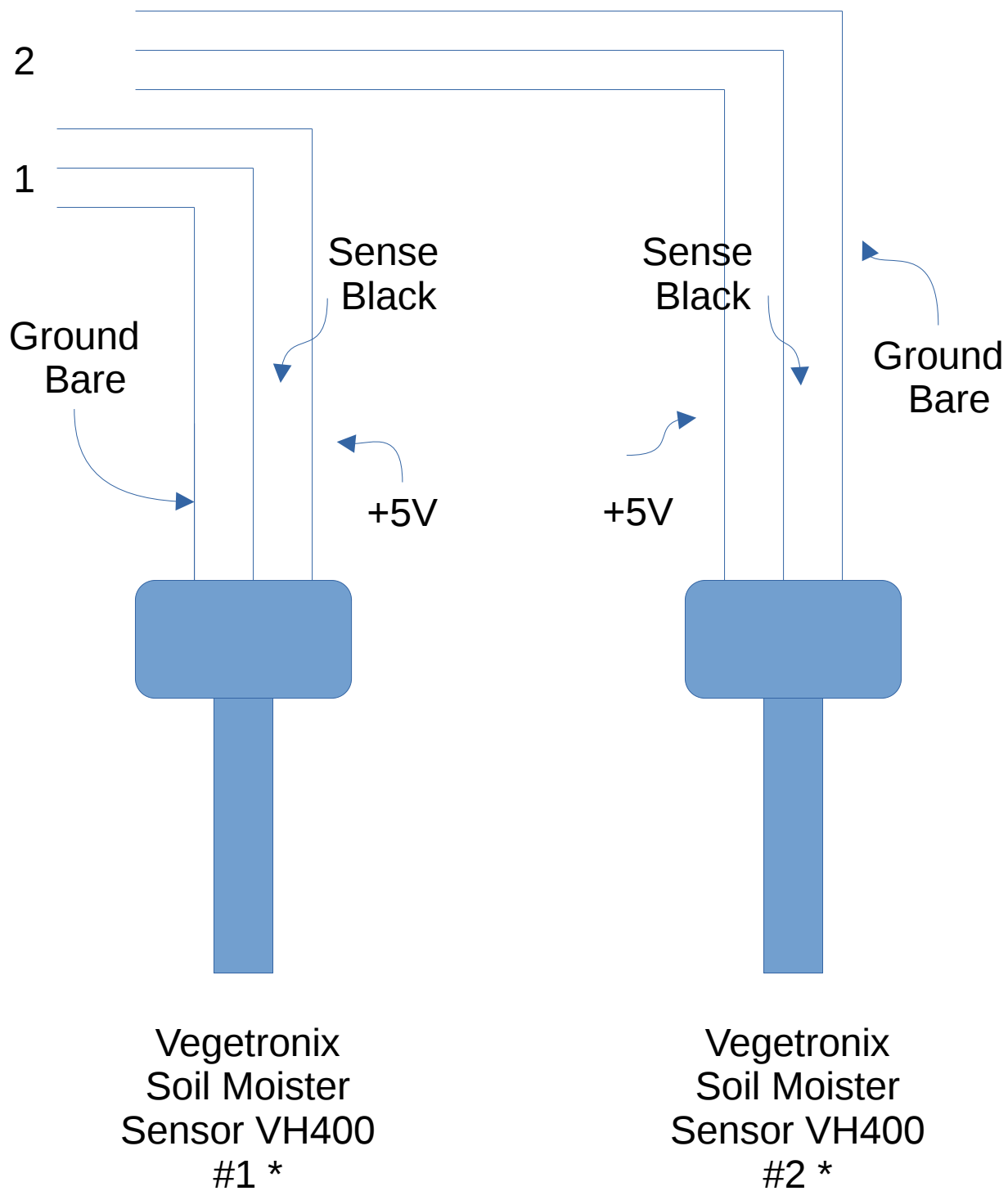


Garden Control Schematic





* Moisture sensor connections are made in valve box between garden beds

** pin 6 and 7 from the Arduino power each of the relays on the relay board

A0 is connected on the ground side of photo sensor AND
Is connected to the Arduino Ground pin.

Ground on the Photo sensor board is connected to the
Relay board as it has to use the Arduino ground

The Vegetronix boards are powered by the Relay board
which is controlled by the Arduino. The relay board
sends +9V to the Vegetronix board(s) and when
energized, allow the Vegetronix board to power and
monitor the moisture sensors. When the adjustable
thresholds are met on each of the Vegetronix boards,
then 24VAC is sent to the valves. Each of the relay
boards relays are controlled individually by pin 6 and
pin 7 on the Arduino.