

OBS: Använd proto shield för att löda fast allt bättre! Endast en solenoid behövs!

Utrustning:

- 1 x Arduino Uno
- 1 x [Solderless breadboard](#)
- 2 x 220 Ω Resistor
- 2 x [Diode](#)
- 2 x [Power Transistor](#)
- 2 x [5v Solenoid](#)
- 2 x [IR Break Beam Sensor](#)
- Jumper wires
- [RedBearLab BLE Shield](#)

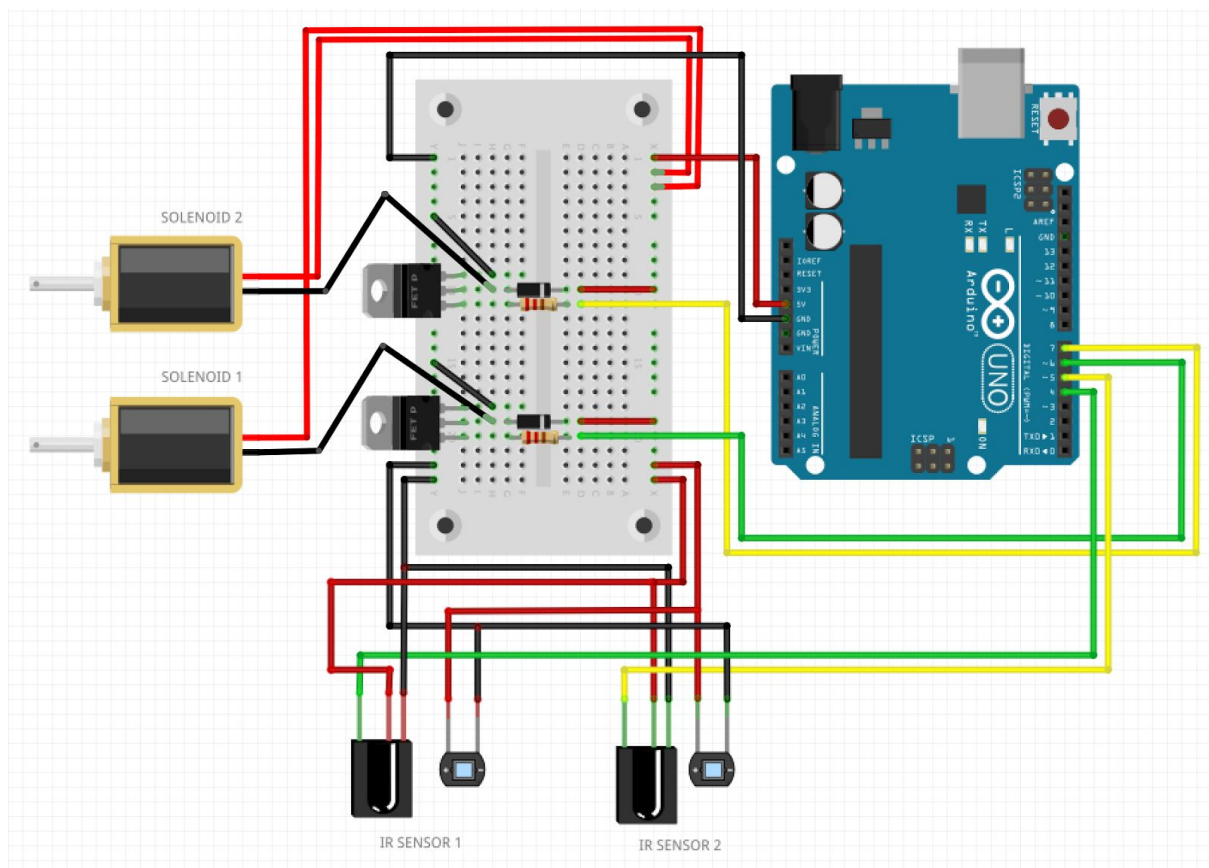
Pins:

SENSOR 1 - pin 4

SENSOR 2 - pin 5

SOLENOID 1 - pin 6

SOLENOID 2 - pin 7



The BLE-Shield will use some digital pins to transfer information with the Arduino Uno so all pins are not available:

Arduino Model	Pins Available	Pins Not Available
Uno	0 – 9 (except pins that REQN and RDYN occupied), A0 – A5	REQN, RDYN, 10 – 13 (6 in total)

REQN and RDYN are 8 and 9 as standard.