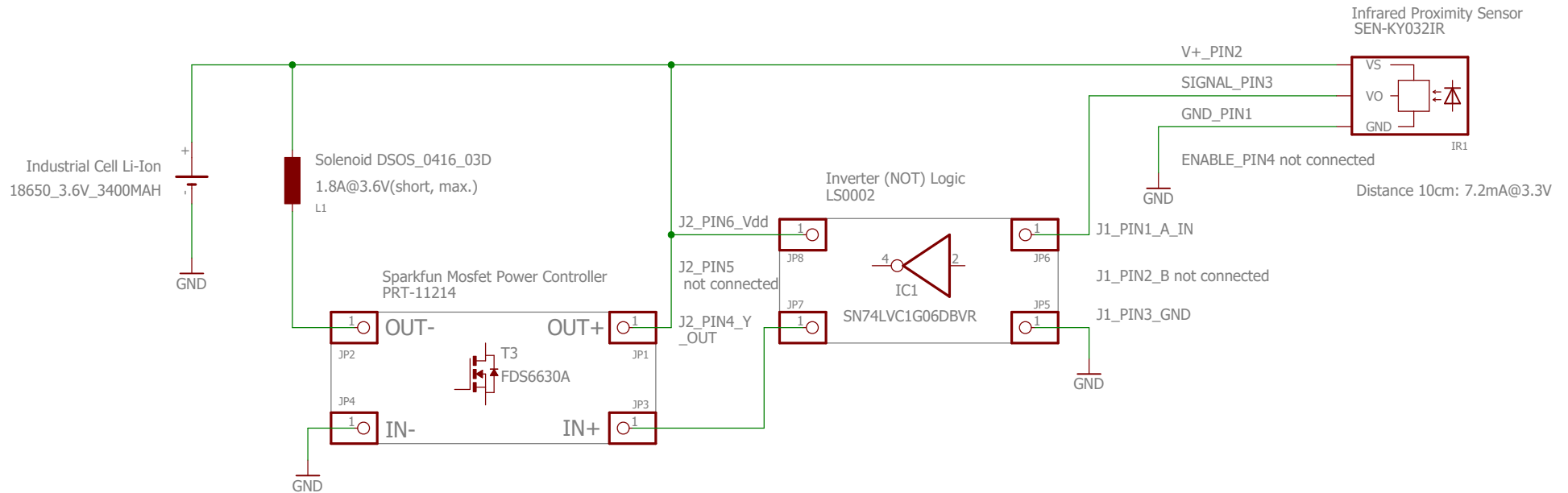


# Trap trigger with infrared proximity sensor and magnetic force to push the plunger



Schematic only. Simple wired assembly by hand.

Li\_Ion Cell Ansmann 18650 (Rechargeable via cable USB3.1 -- Type C)

Solenoid DELTA DSOS-0416 3.8W 3VDC/1.28A

Breakout Boards:

Infrared Proximity Sensor SEN-KY032IR modulated Infrared Emitting Diode and IR Receiver

Inverter Logic LS0002

Sparkfun Mosfet Power Controller PRT-11214

Current measurements:

Average 3.6V@11mA

Triggered 3.6V@400mA

Magnetic trigger with proximity sensor

TITLE: Trap\_Shutter\_Solenoid

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