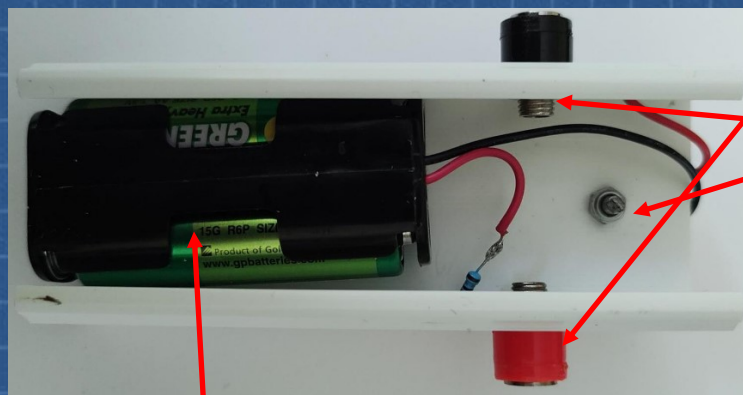


Conductivity sensor



Holes

2 x 5mm holes 25mm and
1 x 3mm hole 15mm from
this end

You can use a drill bit or a
number 1 & 2 cork borer

Power

2 AA batteries and
holder. Use double
sided tape to stick to trunking

Parts list:

Electrical trunking 100x38x25 (LxWxH) NOT SELF ADHESIVE STUFF!

AA batteries x2, holder and double sided tape

47 ohm 1/4W resistor x 1

Carbon fibre rods - 2-3mm dia 85mm long

Crocodile clips and leads - x2

Self locking connector or 3A terminal block

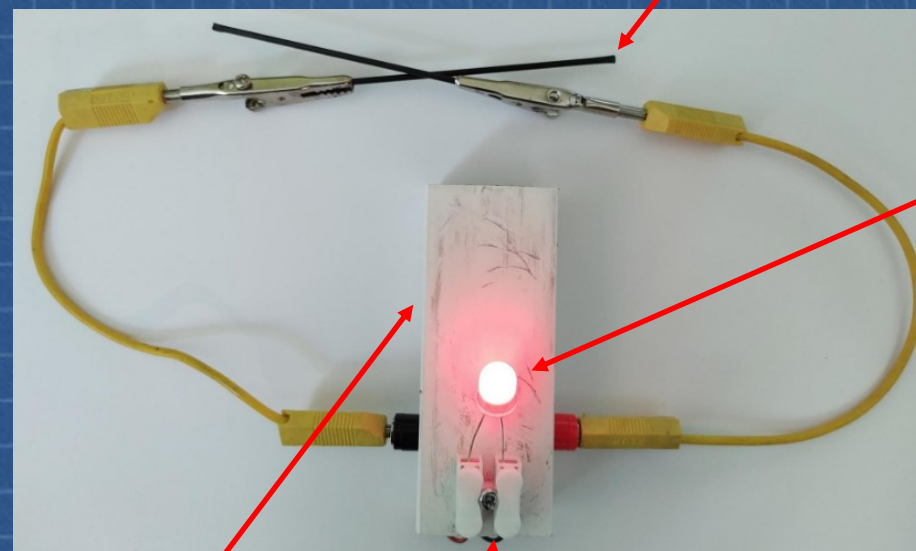
M3 x 20mm screw and locking nut

LED at least 5mm but 12mm is better

4mm Panel sockets x 2

Carbon fibre rod electrodes

Same as you find in kites 2-3mm in
diameter about 85mm long



Red LED

At least a 5mm LED but 12mm LED is a
nicer size Hint! If the LED isn't lighting
when it should check the polarity,
long leg is positive

Resistor

Cut one lead short
(25mm) and solder
a 47ohm resistor to it
if you are using a red
LED.

4mm Panel sockets

Solder wires to washer
washer like connector

Electrical trunking

100x38x25mm (LxWxH)
make sure it's the non self
adhesive stuff!

Screw & nut

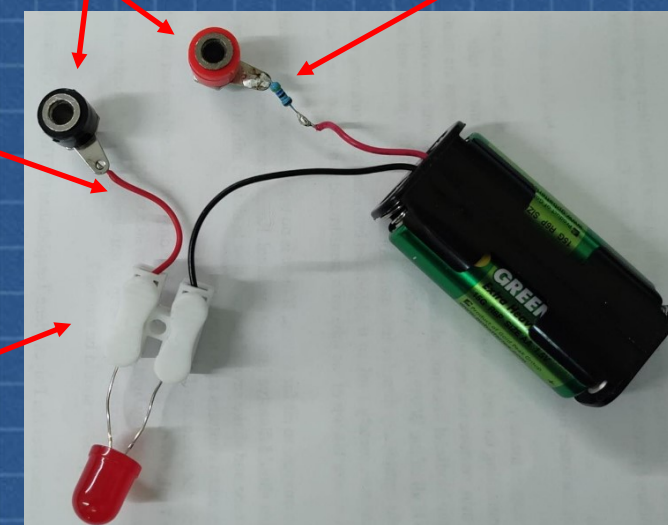
M3 x 20mm screw
and locking nut

Wire

Use the other end
of the cut wire to
make negative
connection

Connector

Self locking connector or 3A
terminal block



Links

Electrical trunking 100x38x25 (LxWxH) NOT SELF ADHESIVE STUFF!

<https://www.toolstation.com/mini-trunking-3m/p12544>

AA batteries x2, holder and double sided tape

<https://www.rapidonline.com/trupower-bh-322-1a-2-x-aa-flying-leads-battery-holder-18-0122>

47ohm 1/4W resistor x 1

<https://www.rapidonline.com/royal-ohm-cfr0w4j0470kit-47r-carbon-film-resistor-0-25w-pack-of-100-62-0338>

Carbon fibre rods - 2-3mm dia 85mm

<https://tinyurl.com/yeryc6et>

Self locking connector or 3A terminal block

<https://www.rapidonline.com/truconnect-3a-12-way-terminal-block-21-0100>

<https://tinyurl.com/ypcjr8wc>

M3 x 20mm screw and locking nut

<https://www.toolstation.com/phillips-pan-head-machine-screw/p81190>

<https://www.toolstation.com/nylon-lock-nut/p93093>

LED at least 5mm but 12mm

<https://www.rapidonline.com/kingbright-l-813id-10mm-red-led-high-intensity-55-0300>

<https://www.rapidonline.com/Catalogue/Search?Query=5mm%20led&Size=20&Tier=5mm%20LEDs>

4mm Panel sockets

<https://tinyurl.com/5bx4s3x6>

W2

Drawing No. 2
Rev. 3

Scale
1:1

Title

Blueprint