

This ULU

The *ULU.21 Signal alarm* will give a light and audio alarm when the 5V power cable is attached. It can be used together with sensors and facilitate a rain-, temperature- or burglar alarm.

Used parts

The following standard parts are used:

- 1x casing 50 x 25 x 25mm;
- 1x power socket;

The following extra parts are used:

- 1x 16mm Ø 12V alarm;
- 1x 5V to 12V DC-DC convertor.

Construction

The standard ULU specifications are applicable as specified in the datasheet *ULU.00 – Common specifications*.

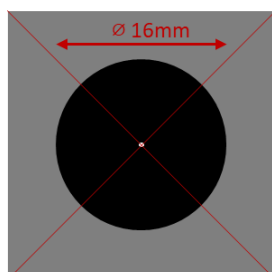


Figure 1 – Drill guide



Figure 2 – The used alarm

Since the alarm works on 12V, a DC-DC convertor is used to uplift the 5V to 12V. This DC-DC convertor is placed between the alarm and the power connector. Because there is not much space in the enclosure, a special cable is made to combine the GND (-) from the power plug with the 1 (+) from an alarm signal.

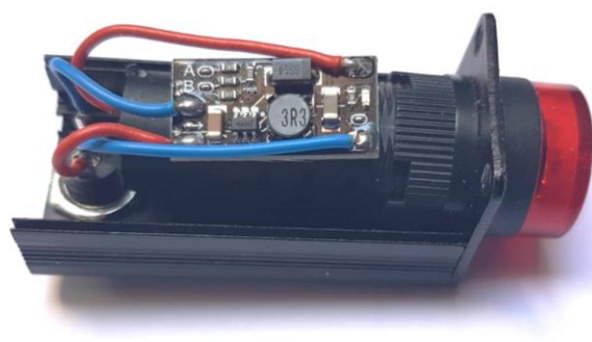


Figure 3 – ULU inside

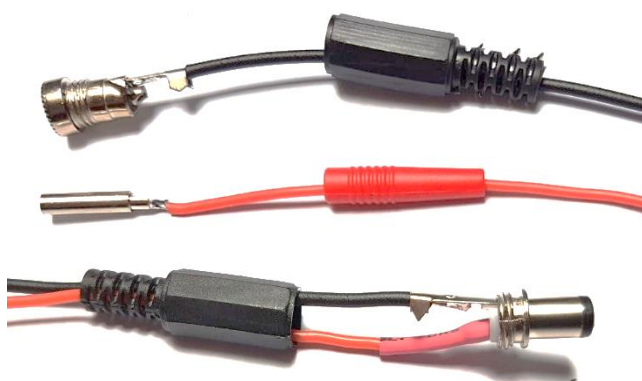


Figure 4 – Soldering both ends of the power cable

Usage

The required gate is selected by plugging a connection cable, as shown in the figure below. If required, the gate selection can also be done by three signals and therewith be reconfigurable.

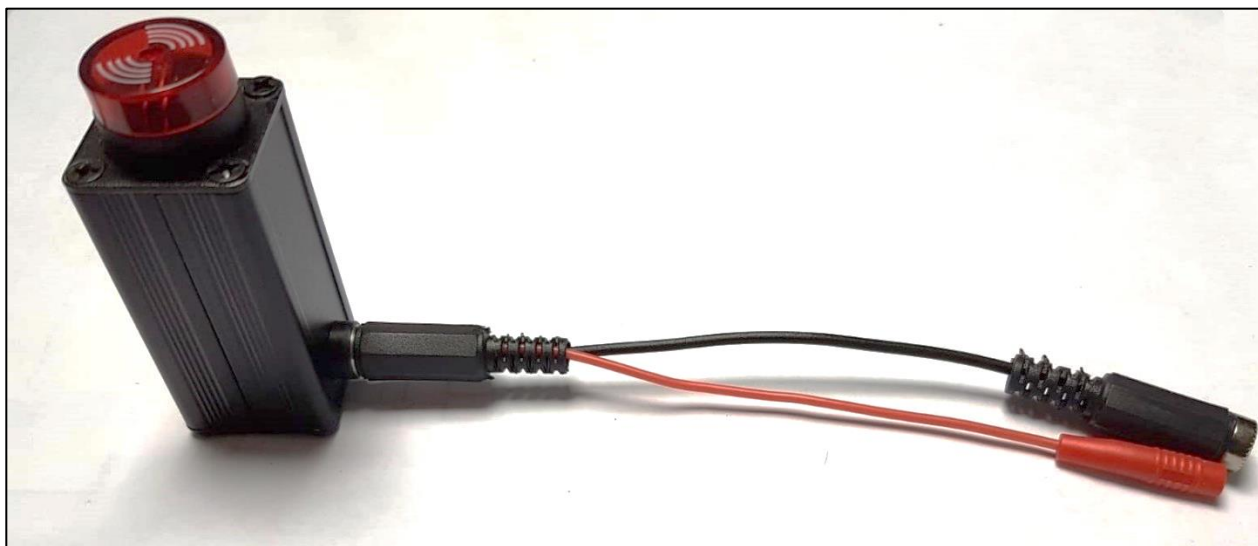


Figure 5 – Finished signal alarm