

This ULU

The *ULU.23 Quad push button* can be used for various push button applications.

Used parts

Only standard parts are used:

1x casing 80 x 25 x 25mm;
1x 4-bit data connector;
1x colored O-ring 8 x 5 x 1.5mm;
1x power connector;
4x 5mm rectangular LED;

4x resistor to dim the LED;
1x M3 standoff male/female 5mm;
1x black M3 bolt 8mm;
1x M3 lock nut;
4x Push switch.

Construction

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

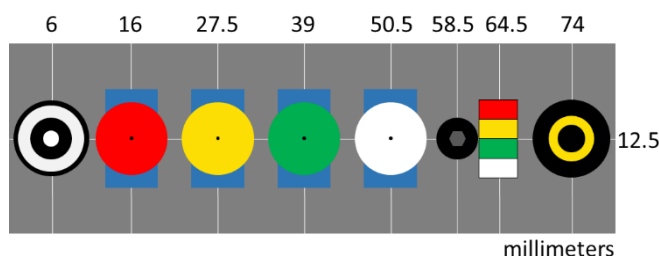


Figure 1 – Drill guide

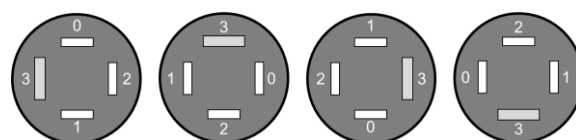


Figure 2 – Data bus pinout

A 5 x 6 gaps experiment board is used to mount the LEDs. Every minus-pole of a led is connected to a resistor that is connected to the ground. The resistors are mounted on an angle, otherwise they will interfere with the casing. The construction is straight forward, all the wires are first connected to their LEDs and then to the corresponding data bus connector.



Figure 3 – ULU inside



Figure 4 – Finished ULU

Usage

The quad push button can be used for various applications, when one or mor push buttons are needed.

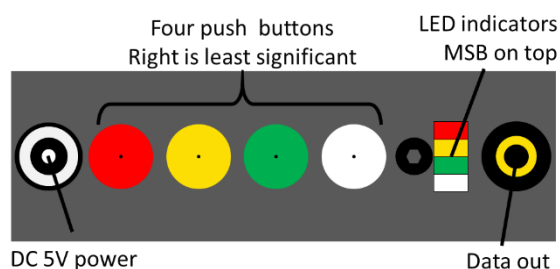


Figure 5 – Controls and connectors