# WDMX switch
# 10101

# Compact 8ch switch
# for wireless DMX receiver

# Electrical specifications

Electrical
specifications

6V DC to 24V DC
8 x 200mA output

The output will switch on when the signal is above 60%, it will switch
off below 40%.

LED indication

batt pow dmx

BATTERY indication (red):
Shows the battery status
On : battery full
Flashing : battery almost empty
Two short flashes : voltage has been too low, restart device

POWER indication (red):
Shows the controller status
On : power and DMX OK or stand alone mode
Off : no power, or microcontroller is broken
Flashing : no DMX signal from WDMX module

DMX indication (green):
Shows the Wireless receiver status
On : receiver is linked and receives DMX
Off : no power, not logged on or receiver is broken
Flashing : no connection with WDMX transmitter
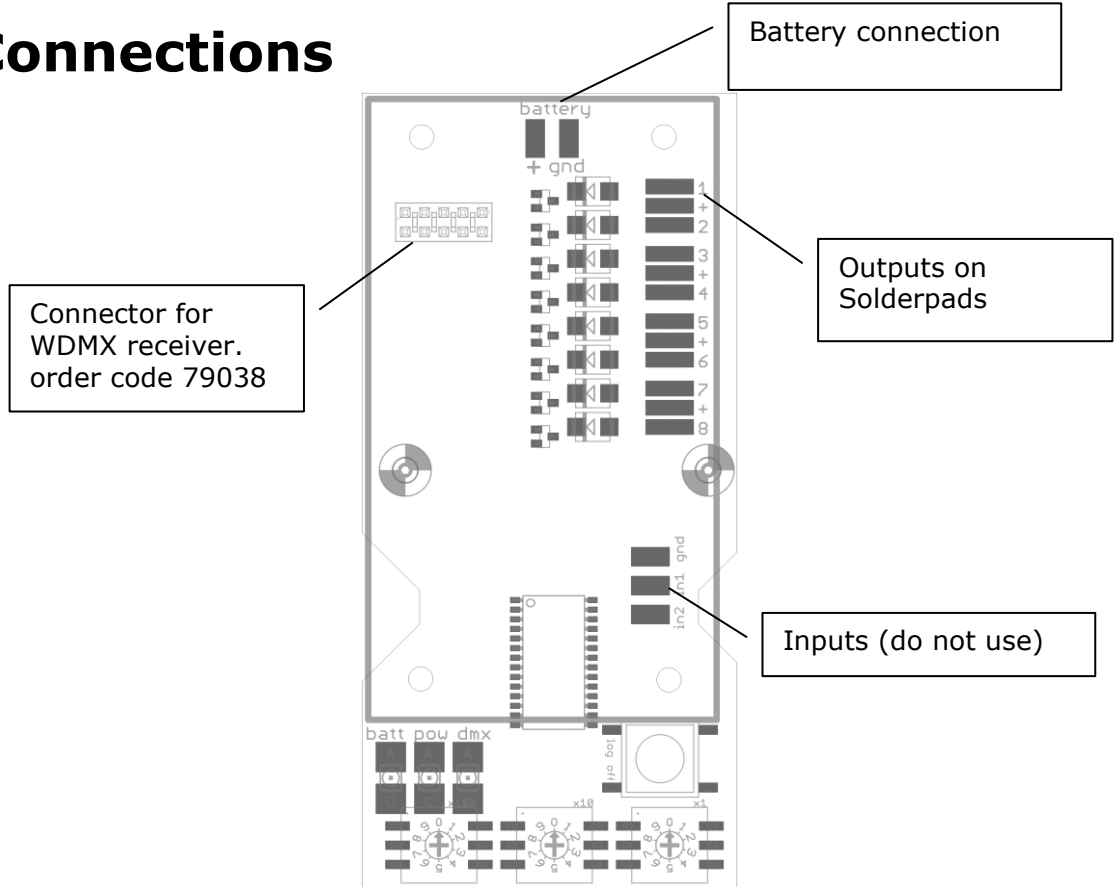Short off : WDMX transmitter found, but no DMX input

# Connections

**Connection layout**

Battery connection

Connector for WDMX receiver. order code 79038

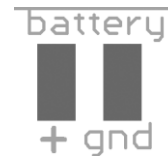Outputs on Solderpads

Inputs (do not use)

**Connectors**

2 solder pads for the battery (check polarity)

3 solder pads for the inputs (do not use)

12 solder pads for the outputs to the LEDS

+ : common anode
1 : channel 1
2 : channel 2
3 : channel 3
4 : channel 4
5 : channel 5
6 : channel 6
7 : channel 7
8 : channel 8

# Mechanical specifications

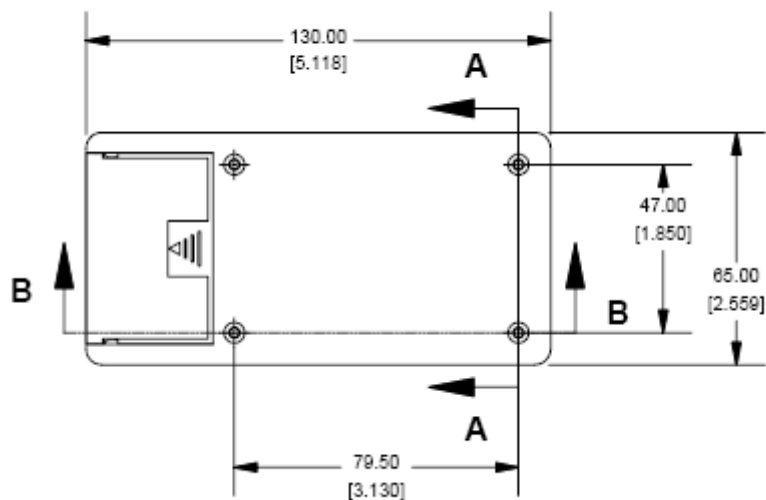## Dimensions and Weight

(LxBxH) 107mm x 50mm x 11mm
driver without WDMX receiver : 26 g
driver with WDMX receiver : 40 g

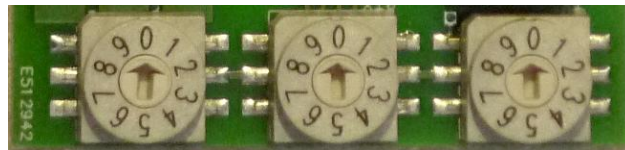fits in HAMMOND 1599BBAT housing (Farnell 1426567)

### Top View of Assembly

# Operating instructions

DMX address

Rotary switches are used to set the DMX channels or activate internal programs.

The LEDdriver will listen to the DMX signal if the address is between 001 and 511. DMX address of the first output can be selected by the three rotary switches. The second and third output will listen to the seven succeeding addresses.



The static programs can be selected by the following codes:

      600: all channels off.
      601: first channel on.
      602: second channel on.
      603: third channel on.
      604: forth channel on.
      605: fifth channel on.
      606: sixth channel on..
      607: seventh channel on.
      608: eighth channel on.
      609: all channels on

**Inputs**

The LEDdriver has two (trigger) inputs. Do not connect the inputs when the LEDdriver is used in DMX mode. In standalone mode, the inputs can be connected to a potential free contact like a switch, relais or open collector output. Please contact Lux Lumen if you need more information about the trigger inputs.

# Wireless DMX

This module offers a wireless solution to receive DMX data. This gives more freedom than a hardwired DMX data link when building point-to-point and point-to-multipoint installations over a large distance.
The configuration is very simple. All the receivers are automatically detected when the push button on the transmitter is pressed.
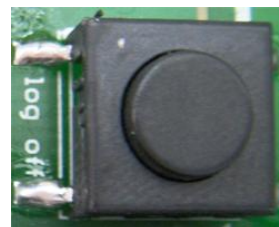


**Log-on node**

The WDMX transmitter will look for unlinked receivers when the **transmitters** function button is pressed shortly. The green LEDdriver WDMX status led will blink during the discovery.

**Log-off node**

The WDMX transmitter will log off all linked receivers when the **transmitters** function button is pressed for 5 seconds. The green LEDdriver WDMX status led will blink and then extinguish

A single receiver can be logged off by pressing the receivers function button for 5 seconds.