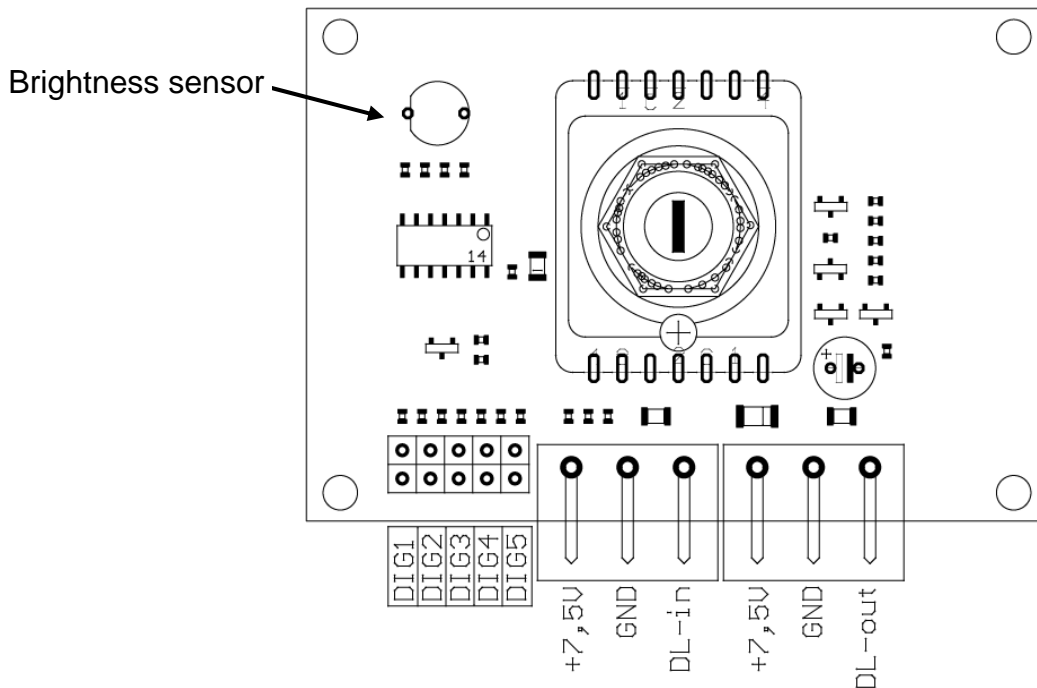




# Series printed circuit board



The pre-switching circuit board is switched between the data link output of the controller and the data link input of the jumbo display. It adds the information about the ambient brightness to the data stream for contrast control of the display. The rotary switch allows pre-selecting data for jumbo displays pre-coded accordingly.

Jumper	Function
	Maximum luminance
	Basic luminance 1
	Basic luminance 2
	Basic luminance 3
	Basic luminance 4
	Basic luminance 5
	Basic luminance 6
	Rotary switch = Luminance
	Channel range rotary switch 17 - 32
	No rotary switch function
	Scan mode
	Channel range rotary switch 1 -16

- Jumper position user-defined
- Jumper placed
- Jumper not placed (open)

Makes sense only if there is "no rotary switch function"

**The pre-switching circuit board only functions with the following controllers:  
UVR1611, UVR61-3 and UVR63-H.**

## Description of the functions:

<b>Jumper range 1-3</b> Maximum luminance, Basic luminance 1-6	By setting the jumper 1-3 according to the table, the brightness of the display is selected dependent on the ambient brightness. By additional selection of the jumper 4-5, the display mode is selected.
<b>Jumper range 1-3</b> Rotary switch = Luminance	If none of the 5 jumpers is set, the brightness can be set in 16 steps using the rotary switch. The value set on the display is displayed (channel 1-25).
<b>Jumper range 4-5</b> Channel range rotary switch 17 - 32	If channel 30 is coded at the display board, it displays channel 17 – 32 pre-selected by the rotary switch.
<b>Jumper range 4-5</b> No rotary switch function	Except for the luminance information no other function is sent to the displays. The value set on the display is displayed (channel 1-25).
<b>Jumper range 4-5</b> Scan mode	The pre-switching device sends the channel number to the display via channel 31 and the corresponding information via channel 30. The channel number is increased every 4 seconds (including channel information). This results in the full information appearing in its time flow at a display group coded accordingly.
<b>Jumper range 4-5</b> Channel range rotary switch 1 -16	If channel 30 is coded at the display board, it displays channel 1 – 16 pre-selected by the rotary switch.

## Connection and power supply:

A power supply unit (7.5V DC, 200mA per display), is required to supply power to the pre-switching device and the jumbo display, which is connected between +7.5V and GND. The voltage may range from 6 to 9 volts and determines consumption and luminance. The "NETZTEIL" (= POWER SUPPLY, special accessory) from our range can be used to supply up to one pre-switching device and six displays.

Connect all ground wires (GND).

Connect all positive wires (+7,5V).

The DL-output of the controller is connected to the DL-in.

All display DL connections are connected to each other and routed to the DL-output of the pre-switching device (DL-out).

## Dimensions:

Width: 67 mm, height: 47 mm, depth: 42 mm