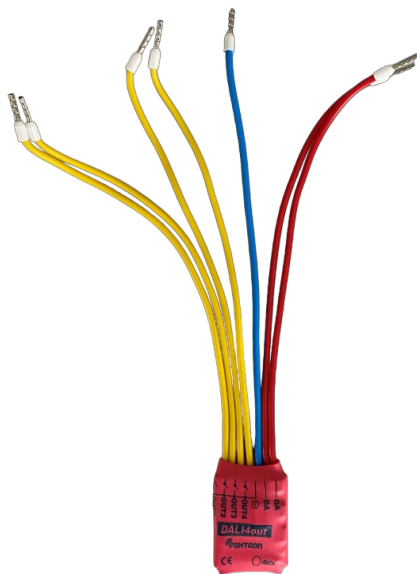


# User manual

document version 1.0 for fw from version 1.0

## DALI4out



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4 channel output unit up to 100mA

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4 open collectors

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DALI bus control

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According to EN 62386-208

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Indication LED

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Mounting to KU68

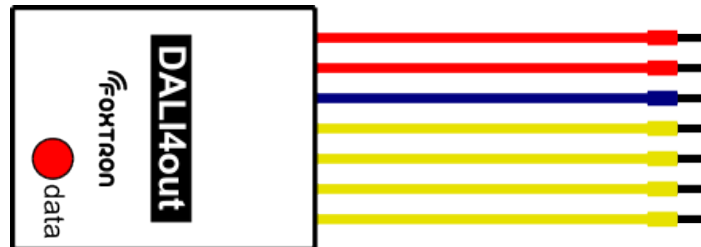
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DALI4out is a universal output unit for DALI bus with 4 open collectors that are independently adjustable.

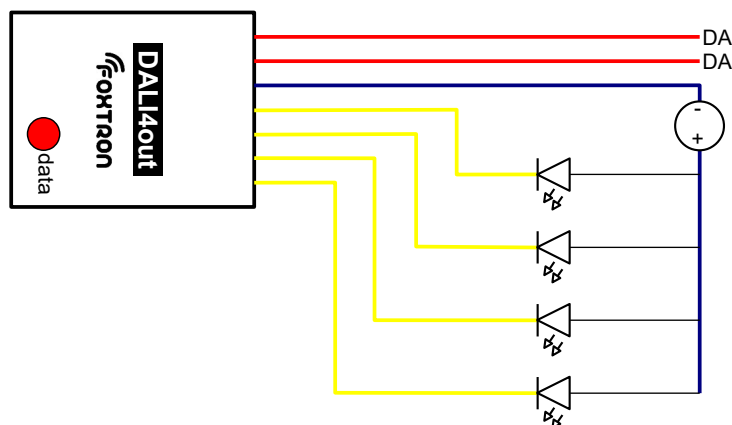
Technical Specifications		
bus	DALI	
number of outputs	4	
switching voltage	< 30	V
power supply	DALI	
maximum load	100	mA
consumption (from DALI bus)	4	mA
degree of coverage	IP20	
ambient working temperature	0 ÷ 50	°C
storage temperature	-10 ÷ 50	°C
weight	16	g

## Signalization

data	Flashing LED indicates sending messages to the DALI bus
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## Wiring



<i>marking</i>	<i>description</i>
DA/DA	DALI bus, two inputs interchangeable
⊖	common negative pole of the power supply
OUT1	output 1 (open collector)
OUT2	output 2 (open collector)
OUT3	output 3 (open collector)
OUT4	output 4 (open collector)

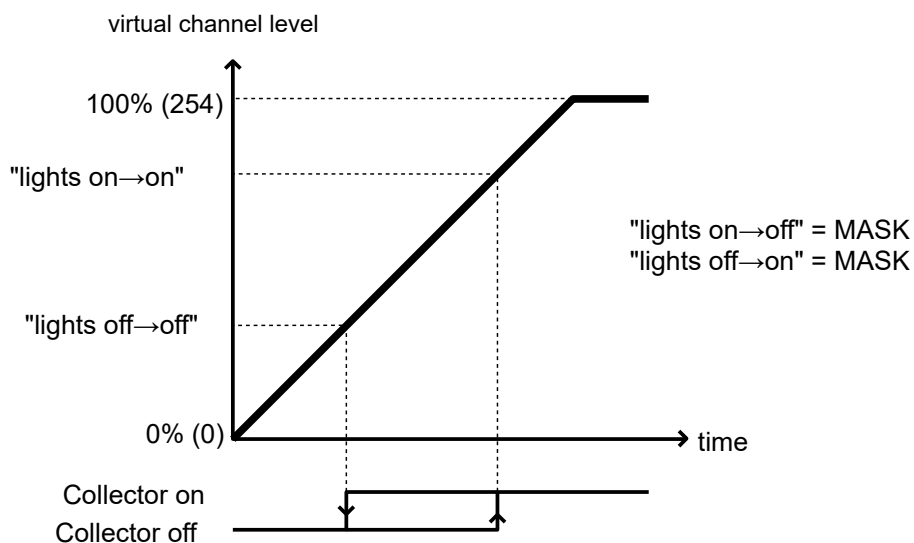
Function – classic (Normal)

The DALI4out unit contains 4 open collectors. The control is performed over the DALI bus according to EN 62386-208. The control according to this standard is similar to that for dimmable outputs. Standard messages for dimmers ("direct arc power", "off", "recall max level", "up", "on and step up" etc.) are used to set the virtual dimmable level of each channel. The value of this virtual channel level is converted to the collector output state using the 4 parameters shown in the following table:

„lights on→on“	decision level for output switching when increasing the virtual level (up switch-on threshold)
„lights on→off“	decision level to open the output when increasing the virtual level (up switch-off threshold)
„lights out→on“	decision level for output switching when lowering the virtual level (down switch-on threshold)
„lights out→off“	decision level to open the output when lowering the virtual level (down switch-off threshold)

These parameters can take values 0 - 100% (0 - 254) or "MASK" (255) which means that the parameter is not to be used. The settings can be made with the DALIconfig program, which is available for free download on the website [www.foxtron.eu](http://www.foxtron.eu).

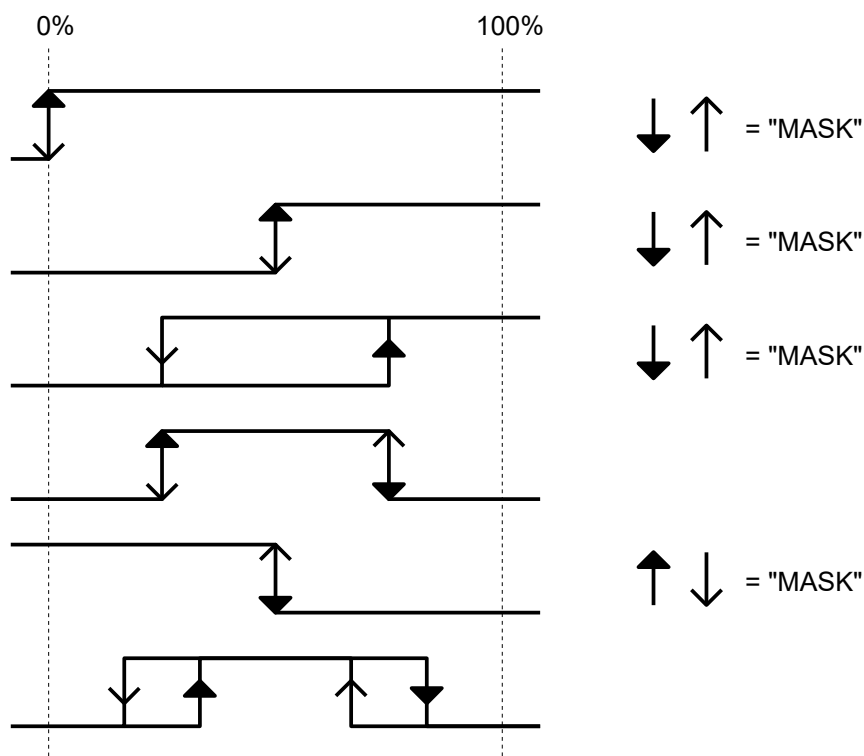
The dependence of the virtual level on the collector closure is shown graphically in the following figure.



When lighting up, the output switches on at the level "lighting on→on" and when dimming down, the output switches off at the level "lights off→off". The level values for "lights on→off" and "lights off→on" are set to "MASK" in this case and therefore have no effect

For a zero value of the virtual level, the relay is switched off except when the "lights on→on" parameter is deactivated (by setting to "MASK") - then the collector is switched on for a zero value of the virtual level.

### Setup examples



↑ "lights on→on"	↓ "lights off→off"	↑ "lights on→on"	↓ "lights off→off"
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Dimensions (in mm)

