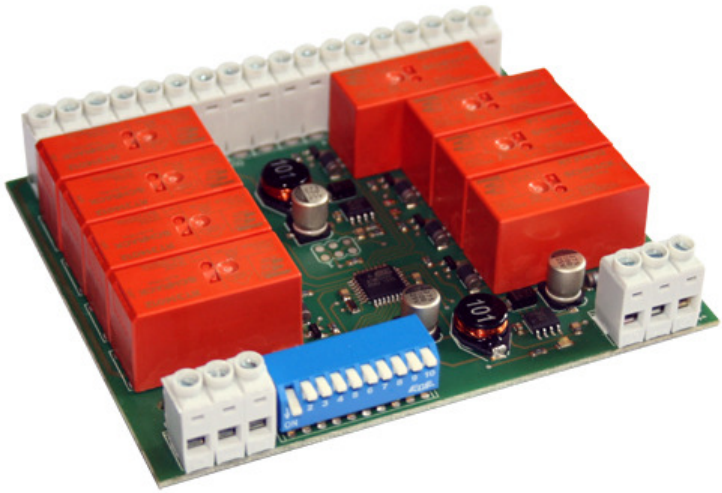
DMX-Relaisinterface 8

User manual



DMX 4 ALL ®

Description

The DMX relay interface owns 8 switch outputs free of potential controlled by DMX.

Technical Data

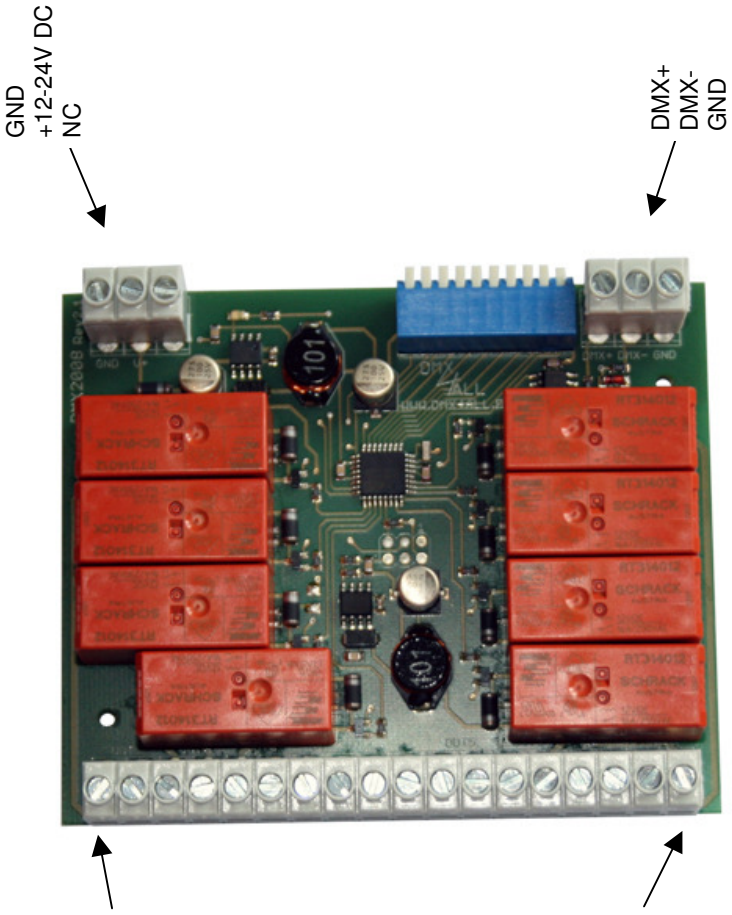
Power supply:	12-24V DC / 400mA (Units before 2014 only 12V CD / 400mA)
DMX-Channels:	8
DMX-HOLD:	available
Outputs:	8 Switching output (normally open contact) max. 8A / 250V~
Board dimensions:	99mm x 82mm

LED-Display-Codes

The integrated green LED is a multi function announcement.
In the normal company shines the LED incessantly. In this case the device works OK. The LED is permanently dark, no DMX512-signal is detected.
Furthermore events about the green LED are signalled. In this case the LED lights up in short distances and then missing for longer time.
The number of the flashing impulses corresponds to the event number.

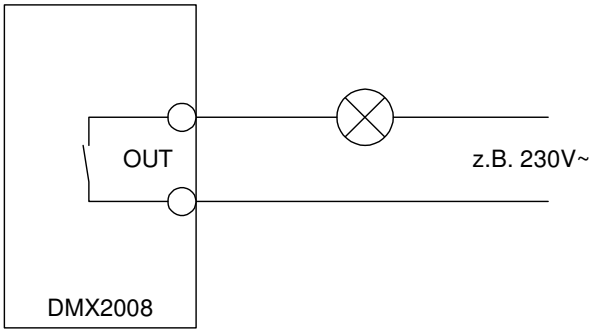
Incident-Number	Identification	Specification
2	Addressing error	Please check the attuned DMX address
3	DMX-signal error	An invalid DMX-input-signal was ascertained. Exchange the signal pipelines in the Pin 2 & 3 or use a rotated connecting lead.

Connection of the Interfaces



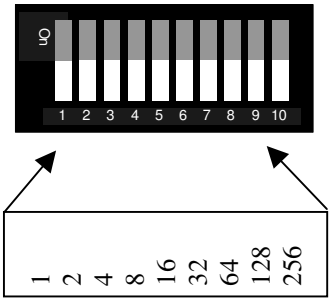
OUT1 – OUT8
Switching outputs 1- 8: max. 8A / 250V~

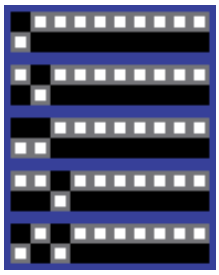
Connection of the loads:

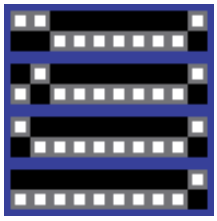


Addressing

The start address is adjustable about the counters 1-9. Besides, the counter 1 has the valency 2^0 (=1), the counter 2 the valency 2^1 (=2) and so on up to the counter 9 with the valency 2^8 (=256). The sum of the counters standing on ON corresponds to the start address.



Address	Switch
1	
2	
3	
4	
5	

Address	Switch
...	...
508	
509	
510	
511	

DMX-HOLD function

The DMX-Relaisinterface 8 has a DMX-HOLD function that leave the state of the relais unchanged if the DMX signal fails.

If the DMX-HOLD function is not active so all relays are switched off during a failed DMX signal.

In a power failure the stored value is discarded!

DMX-HOLD is activated with switch 10:

Switch 10 ON ➔ DMX-HOLD activated
Switch 10 OFF ➔ DMX-HOLD not activated

CE-conformity

This assembly (board) is controlled by a microprocessor and uses high frequency (8MHz). To get the characteristics of the assembly in relation to the CE-conformity, an installation in a compact metal casing is necessary.

Risk-Notes

You purchased a technical product. Conformable to the best available technology the following risks should not excluded:

Failure risk: The device can drop out partially or completely at any time without warning. To reduce the probability of a failure a redundant system structure is necessary.

Initiation risk: For the installation of the board, the board must be connected and adjusted to foreign components according to the device paperwork. This work can only be done by qualified personnel, which read the full device paperwork and understand it.

Operating risk: The Change or the operation under special conditions of the installed systems/components could as well as hidden defects cause to breakdown within the running time.

Misusage risk: Any nonstandard use could cause incalculable risks and is not allowed.

Warning: It is not allowed to use the device in an operation, where the safety of persons depend on this device.

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