RESI-DMX-MODBUS

Light engineering via DMX bus

Modbus-IDA DMX512

This converter enables you to integrate a DMX universe with 512 DMX registers into your building automation solution. Your host must be able to communicate with MODBUS/RTU master protocol. With our free software MODBUS configurator you can configure and test a DMX system. This converter is ideal in combination with PLCs, DDCs or multimedia control equipment like CRESTRON®, AMX® or CONTROL4®. You can also use this converter in combination with our powerful RESI-Tx DDCs and touch panel solutions.

RESI-DMX-MODBUS

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Connects a host with MODBUS/RTU master interface to a DMX light system, Host communication: via RS232 or RS485 with MODBUS/RTU slave protocol, Host baud rates: 9600, 19200, 38400 or 57600Bd, no or even parity, 8 data bits, 1 stop bit, The complete DMX universe with 512 DMX registers is supported, DMX and serial RS232/RS485 interface is galvanic isolated, Configuration and testing of DMX lamps with free PC software MODBUS configurator, Weight: 55g, Dimension (LxWxH): 17,5x90x58mm, Power supply: 24V=, Power consumption: <0.5W, Mountable onto a EN50022 DIN rail.

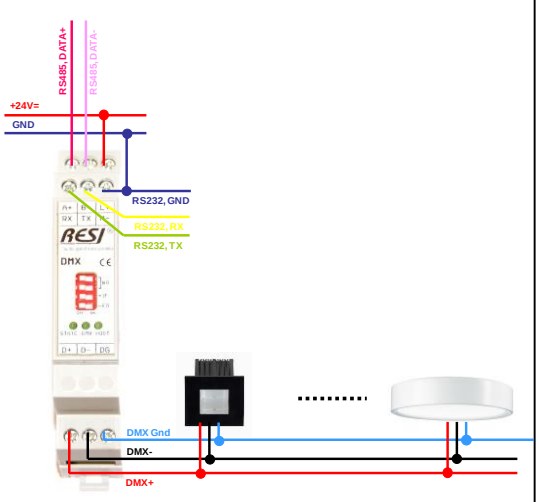
RESI-MODBUS-CONFIGURATOR

Consisting of a free of charge software to configure a DMX light system. Download from our homepage www.RESI.cc.

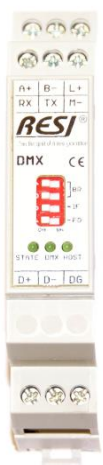
MODBUS/RTU mode

The converter acts as an MODBUS/RTU slave. Therefore the communication is done via MODBUS holding registers. The 512 DMX registers are mapped to the first 512 holding registers.

To set the DMX RGB spot with DMX index 1 to white, write to holding register 0 255, then to holding register 1 255 and then to holding register 2 255.



Connection digaramm



DIP Switch

BR=Baud rate

DIP1	DIP2	Baud rate
OFF	OFF	9600Bd
ON	OFF	19200Bd
OFF	ON	38400Bd
ON	ON	57600Bd

HINT: The correct parity (NONE; EVEN;ODD) is selected with the software tool, not with DIP switches.

IF=Interface

OFF	RS232
ON	RS485

FD=Function definition

OFF	The unit ID from the FLASH memory is used
ON	The unit ID 255 is used

DIP switches

AT A GLANCE

- ❑ Connects a host with a MODBUS/RTU master interface to DMX bus
- ❑ Host communication: via RS232 or RS485 with MODBUS/RTU Slave protocol
- ❑ Host baud rates: 9600, 19200, 38400 or 57600Bd, no or even parity, 8 data bits, 1 stop bit
- ❑ All 512 DMX registers in a DMX universe are supported
- ❑ DMX and MODBUS interface is galvanic isolated
- ❑ Configuration and testing of DMX lamps with free PC software MODBUS configurator
- ❑ Power supply: 24V=
- ❑ Power consumption: <0.5W
- ❑ Mountable onto a EN50022 DIN rail