Manuals+ — User Manuals Simplified.

mXion TLSpro

mxion TLSpro User Manual

mxion TLSpro

Contents

Introduction

Dear customer, we strongly recommend that you read these manuals and the warning notes thoroughly before installing and operating your device. The device is not a toy (15+).
NOTE: Make sure that the outputs are set to appropriate value before hooking up any other device. We can't be responsible For any damage if this is disregarded.

General information

We recommend studying this manual thoroughly before installing and operating your new device. Place the decoder in a protected location. The unit must not be exposed to moisture.
NOTE: Some funktions are only available with the latest firmware. Please make sure that your device is programmed with the latest firmware.

Summary of Funktions

- DC/AC/DCC operation
- Separate relaycircuit
- Changeover relay
- LDR, NTC, PTC usable
- Twilight switch
- Temperature switch
- Brightness selectable

Scope of supply

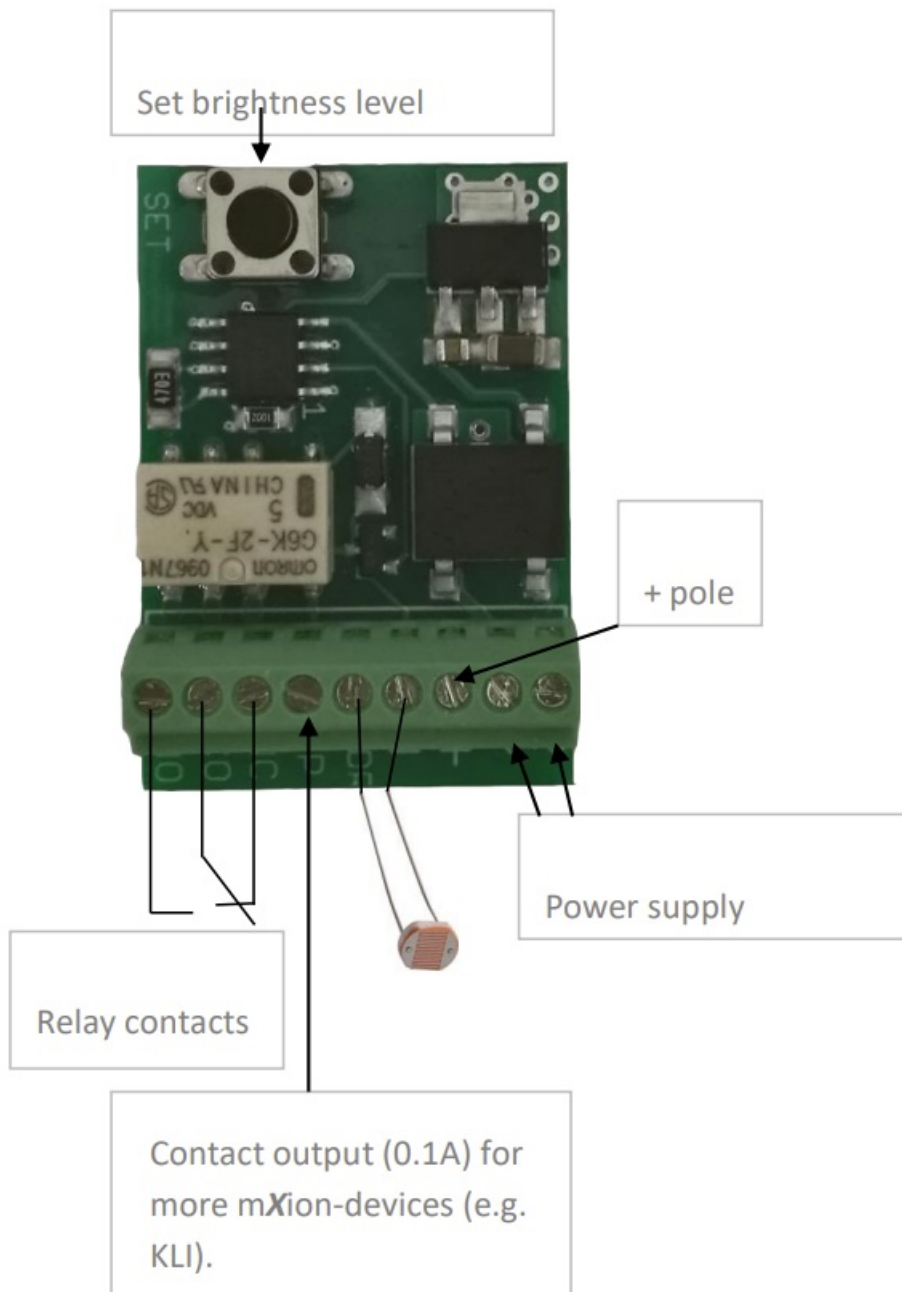- Manual
- mXion TLSpro
- LDR (light sensor)

Hook-Up

Install your device in compliance with the connecting diagrams in this manual. The device is protected against shorts and excessive loads. However, in case of a connection error e.g. a short this safety feature can't work and the device will be destroyed subsequently.
Make sure that there is no short circuit caused by the mounting screws or metal.

Connectors

Align the brightness sensor accordingly out. One polarity does not have to be considered. It is connected between "LDR" and ,,-,,. The connection ,,IP" can be up to 0,1A against ,,+" charged (for example LEDs or other contactor for further modules).

Set brightness level

+ pole

Power supply

Relay contacts

Contact output (0.1A) for more mXion-devices (e.g. KLI).

Product description

The mXion TLSpro is a versatile usable module. It can with the LDR restistance as a twilight switch used will, wherein both increasing brightness off as also can enable. This is done by changeover relay. With the NTC resistor as it can temperature switches are used. This is the same behavior as with the LDR.
The module can be versatile application e.g. find model trains as twilight switches.
LDR = brightness sensor
NTC = temperature sensor

Application examples

The examples shown here serve only to excite.
Some possible examples of the mXion TLSpro is next to the temperature and brightness detection the model making. You can automatically receive their lighting system on/off, and in the dark the ,,fuss" and turn on, or you will ,,fuss" run only at night? You can plant your fan leave unless one certain temperature has been reached is. To save yourself a lot of wiring expenses and switch.
In combination with the mXion KLI you can not even your plant lighting on, but the station lights a real fluorescent lamps flicker miss. The steam railroaders can use a petroleum imitation produce. Also the ,,campfire" need only

be switched when it is dark. This is also connected to the series mXion feasible.

Technical data

Power supply:
7-25V DC/DCC (peaks max. 27V) 5-18V AC
Current:
<1mA (with out functions)
Maximum function current:
Relay max. 250VAC/2 Amps. IP: 0.1 Amps.
Temperature range:
-20 up to 80°C
Dimensions L*B*H (cm):
3.5*2.4*1
NOTE: In case you intend to utilize this device below freezing temperatures, make sure it was stored in a heated environment before operation to prevent the generation of condensed water. During operation is sufficient to prevent condensed water. In terms of the NTC (temperature resistor) you should to the temperature range of the NTC otherwise no proper function can be guaranteed.

Warranty, Service, Support

micron-dynamics warrants this product against defects in materials and workmanship for one year from the original date of purchase. Other countries might have different legal warranty situations. Normal wear and tear, consumer modifications as well as improper use or installation are not covered. Peripheral component damage is not covered by this warranty. Valid warrants claims will be serviced without charge within the warranty period. For warranty service please return the product to the manufacturer. Return shipping charges are not covered by micron-dynamics. Please include your proof of purchase with the returned good. Please check our website for up to date brochures, product information, documentation and software updates. Software updates you can do with our updater or you can send us the product, we update for you free.
Errors and changes excepted.

Hotline

For technical support and schematics for application examples contact:

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www.micron-dynamics.de
https://www.youtube.com/@micron-dynamics

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Documents / Resources

mXion TLSpro Bedienungsanleitung TLSpro User manual	**mxion TLSpro** [pdf] User Manual TLSpro

References

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