

User Guide

KNX LED DIMMER STEEL 3 Channel

Item number S-24903

BILTON®

Warning:

- Electronic devices should only be installed and assembled by qualified professionals.
- The KNX LED DIMMER STEEL 3 Channel is a Class III appliance.
- Please ensure that electric tension for the KNX and the primary input comply with the SELV requirements.

Installation instructions:

Do not install near a heat source. Keep a minimum distance of 20 centimeters.

Warning:

Special precautions must be taken when installing or maintaining the device to avoid reversing the polarity of the power supply (24V). The reverse polarity protection prevents the damage of the product – wrong connections = no function. After connecting the product the right way the function is guaranteed again.

The **KNX LED DIMMER STEEL 3 Channel** is a KNX/EIB-bus-compatible dimmer with 3 channels. The device runs LED which are voltage controlled. The device was designed with RGB light sources in mind to create colourful lighting or play pre-programmed colour cycles.

The KNX LED DIMMER STEEL 3 Channel combines high performance LEDs with a KNX/EIB installation bus. Addresses can be set on the device via the KNX bus. To this end it has its own programming button. (see Connection).

Programming:

The **KNX LED DIMMER STEEL 3 Channel** can be programmed with the current ETS version. To download the product database go to KNX Applications at www.bilton.at.

A user guide, containing detailed programming instructions, is also available.

Specifications:

Power supply	12-24 V DC
Max. Output voltage	2,2 A/channel
Connection load	12V DC 80W 24V DC 155W
Protection against output short-circuit	Yes
Protection against reverse polarity	Yes
KNX transmission speed	9600 Bps
KNX power consumption	Max. 12mA
Temperature range	-5 °C to +45 °C
Connection	KNX / EIB terminal Single-wired : 0,75-1,5mm ² (cross section of the wire)
Output signal	PWM / 600Hz
Frequency	50 Hz
LxWxH	187x44x19 mm
Weight	0,248 kg

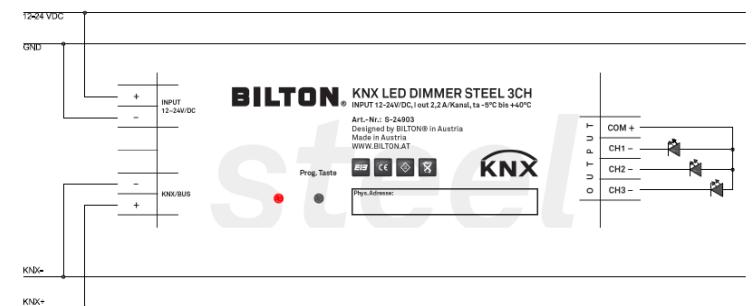
Connection:

The KNX LED DIMMER STEEL 3 channel can be connected anywhere on a KNX bus.



Indication

1. INPUT 12-24V/DC „-/+“
2. Input KNX/BUS „-/+“
3. LED-light
4. Programmingbutton
5. OUTPUT
 - 1. COM+
 - 2. CH1- = R
 - 3. CH2- = G
 - 4. CH3- = B



Operating conditions:

- **In case of bus power failure:** the device becomes inactive and unusable. The last running output will be restored.
- **In case the power is recovered:** the device will be reinitialised (this may take a while). During the initialisation phase, all three outputs will be briefly activated then shut off again. You may reset each output's value by going to "General" – "Bus Power Up Value Select". You may select between "Last used color", "all channels 0% (off)" or "all channels 100% (on)".
- **In case the power supply is damaged:** you can still control and communicate via bus with the KNX device. The affected LEDs will be out of service.

Warning:

In some cases, downloading the software for the device may cause the outputs to be switched on and off.

Warranty:

The provisions of the warranty are governed by the law. For more informations please visit www.bilton.at

HEAD OFFICE

Customer service:

BILTON International GmbH Loferer Straße 2
5760 Saalfelden/ Austria
Tel: +43 6582 71164
Fax: +43 6582 71164-10
service@bilton.at

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