

# Curve KNX Dimmer-Sequencer-Actuator

**BILTON**  
LED LIGHTING

## Instructions for use

Art. Nr. C-03903

### Safety information:

Fitting and assembly of electrical appliances must only be done by an electrician. Inadherence to the installation instructions could result in fire or other dangerous consequences. The Dimmer-Sequencer-Actuator is a protection rating III device. Be sure that the voltage in the KNX and the primary side correspond to the SELV- values.

### Caution:

During installation and maintenance, measures must be taken to prevent a polarity reversal of the supply voltage.

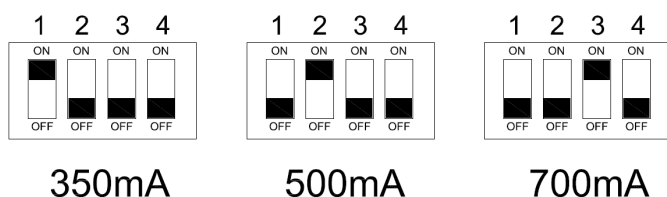
The Dimmer-Sequencer-Actuator 350mA/500mA/700mA CURVE/KNX is a bus-compatible 3 channel dimmer for use with a KNX/EIB bus. Constant current controlled LEDs can be operated with this device. The device is designed principally with the operation of RGB lighting in mind, for example to create colourful lighting effects or to run a pre-programmed colour sequence.

### Setting the constant current:

**BEFORE INITIAL OPERATION, USE THE DIP SWITCHES WITHIN THE UNIT TO SET THE CONSTANT CURRENT TO THE CORRECT SETTING!!**

To do this, remove the cover and set the dip switches to the required setting for the constant current as illustrated below.

Caution: Only one dip switch may be in the [ ON ] position. Dip switch 4 must always remain in the [ OFF ] position.



### Connection

The Dimmer-Sequencer-Actuator can in principle be integrated at any point in the KNX bus.

Input connections, refer to the illustration:

- (1) 24VDC terminals for the supply
- (2) KNX terminals

Output connections, refer to the illustration:

- (5) RGB LED channels

### Switches and buttons on the device:

- (6) Programming button to program the address
- (7) LED signal lights

### Technische Daten

Supply voltage	24 VDC
Output current	350 / 500 / 700mA
Max. output voltage	22V DC
Connection load	1 - 6 LED / channel
Output short circuit protection	JA
Reverse polarity protection	JA
KNX transfer rate	250.000 Bps
Working temperature	-5 °C bis +40 °C
Connections	KNX / EIB load by means of single wire 0,75-1,5mm, screw terminals
Output signal	PWM / 600Hz

### Note:

In order to prevent malfunction, the maximum cable length, supply points, maximum distances etc. must be observed.

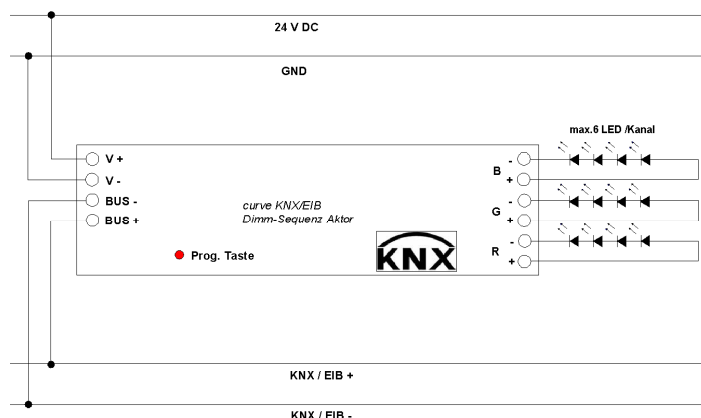
### Warranty

We provide a guarantee in accordance with the law. Please send the device (free postage) to our central customer service centre, with a description of the fault.

### Function

The Dimmer-Sequencer-Actuator connects high performance LEDs with the KNX/EIB installation bus. The device can be addressed by means of the KNX bus, hence the programming button on the device.

### Dimmer-Sequencer-Actuator wiring diagram



### Operating modes:

#### In the case of interruption in bus voltage:

The device is inactive and cannot be operated. The last mode of operation is present at the outputs.

#### In the case of recurrence of the bus voltage:

The device is initialised. During the initialisation procedure the outputs are switched on one after the other for a short time. Then the last value is loaded.

#### In the case of interruption in supply voltage:

Operation remains active. LEDs do not function.

### Programming

The device is programmable by means of the engineering tool ETS2 V1.3 or higher or the ETS3. You can find the database of products on our homepage: [www.BILTON.at](http://www.BILTON.at) under KNX TOOLS. You can also find the handbook there with a detailed description of the programming procedure.

After successful programming of the device in the KNX bus, the device undergoes an initialisation process, during which the individual outputs are switched on and off in succession.

If the device is addressed but still has no application program loaded, then after initialisation the device is in no definite mode. It is then possible that until an application is loaded, the outputs are switched on and the lighting is active.

Unintentional activation of the lighting can be avoided by turning off the supply voltage.

### HEAD OFFICE

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