Lithoss DESIGNED SWITCHES
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MADE IN BELGIUM 18/10/2021 - Art. 101797 - VERSION 3

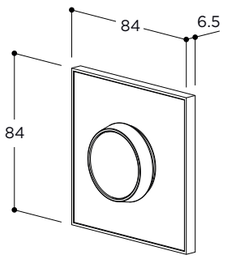
CE

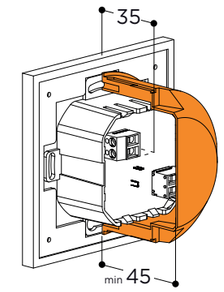
Name	Dimmer KNX

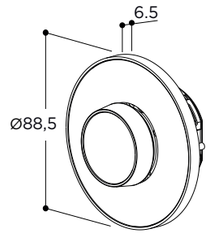
Ref

Dm 0K 02

PRODUCT MODULE COLOR







Product	Code
Dimmer	Dm

Module	Code
KNX	0K

Color	Code
Stainless Steel	01
Matt White RAL9010	02
Brushed Brass	06
Nickel + Texture Black	09
Textured Black	14
Tin Antique	19
Brass Antique	20
Copper	29
Textured Black + Nickel	32
Matt White + Textured Black	35
Brushed Brass + Brass Knurl	37
Stainless Steel + Nickel Knurl	38
Bronze Antique + Brass Knurl	39
Gunpowder Black (Fusain)	41
Nickel + Nickel Knurl	43
Texture Black + Brass Knurl	46

NL **Installatie- en onderhoudsrichtlijnen met betrekking tot de fabrieksgarantie**

1. De plaatsing, de aansluiting en het uittesten van dit toestel dient steeds te gebeuren door een erkend elektro-installateur.
2. Dit toestel moet geïnstalleerd, verbonden en getest worden volgens de nationaal geldende reglementen op de elektrische installaties.
3. Deze technische bijsluiter dient te worden beschouwd als een onderdeel van de algemene verkoopsvoorwaarden van Lithoss nv/sa.
4. De elektro-installateur is verantwoordelijk voor het gebruik van compatibele apparaten die voldoen aan de geldende CE en IEC normen.
5. Gebruik steeds de 'tool' voor het verwijderen van de 'Cover Plate' (afdekplaat).
6. Reinig het toestel enkel met een zachte en licht vochtige doek zonder reinigingsmiddel.
7. Leg altijd eerst de electriciteit af alvorens te plaatsen en installeren !

FR **Instructions d'installations et d'entretien à respecter vis-à-vis de la garantie d'usine**.

1. Le placement, le raccordement et l'essai de cet appareil doivent toujours être effectués par un électricien / installateur agréé.
2. Cet appareil doit être installé, branché et testé suivant le règlement national sur les installations électriques en vigueur.
3. Ce manuel d'installation technique représente une partie des conditons générales de vente de Lithoss nv/sa.
4. L'installateur est responsable pour l'usage des produits compatible, qui sont conformes aux normes CE et IEC en vigueur.
5. Utilisez toujours le 'tool' pour l'écartement du 'Cover Plate' (plaque de couvercle).
6. Nettoyez l'appareil uniquement avec un chiffon doux et légèrement humide sans détergent.
7. Toujours débrancher l'électricité AVANT d'installer !

EN **Installation and maintenance instructions associated to the manufacturer's warranty.**

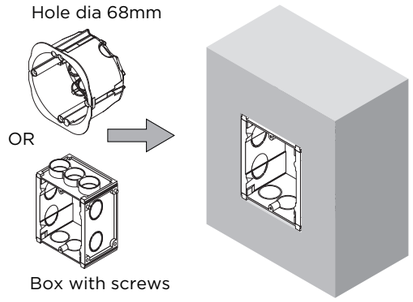
1. The installation, connection and testing of this device should always be performed by a recognized electrician / installer.
2. This device needs to be installed, connected and tested according to the official national instruction guide for electrical installations.
3. This technical manual is to be considered as an additional term to the general sales conditions of Lithoss nv/sa.
4. The installer is responsible for the use of compatible products which meet the CE and IEC rules.
5. Always use the 'tool' for the removal of the 'Cover plate'.
6. Clean the device only with a soft and slightly wet piece of cloth without any detergent.
7. Always switch off the electricity BEFORE installation !

DE **Montage und Unterhal Instruktionen zu beachten mit Bezug auf der Fabrikgarantie**.

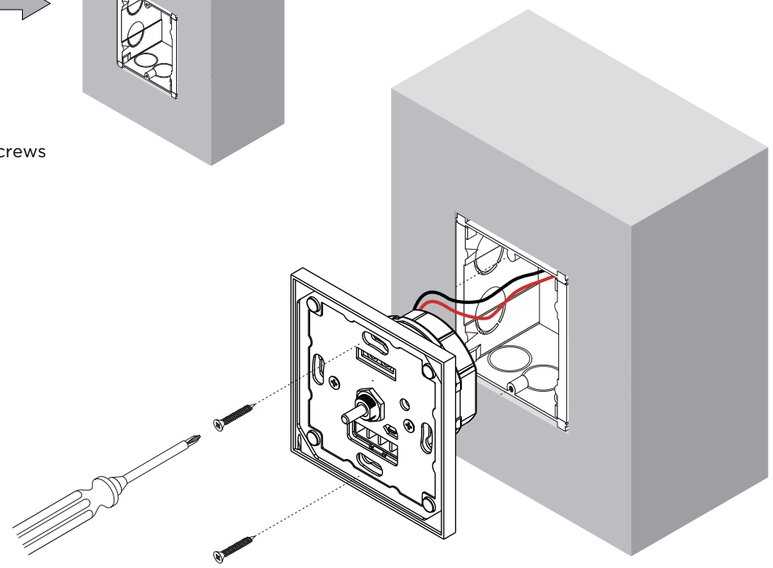
1. Die Montage, der Anschluß und das Austesten des Gerätes soll immer von einem zertifizierten electro-Installateur ausgeführt werden.
2. Das Gerät muß installiert, angeschlossen und getestet werden nach der allgemeinen nazionalen Richtlinien über die elektrische Installationen.
3. Diese technische Gebrauchsanweisung gehört zu den allgemeinen Verkaufsbedingungen von Lithoss nv/sa.
4. Der electro-Installateur is verantwortlich für das Verwenden von CE und IEC kompatibele Produkte.
5. Benutzen Sie immer das 'tool' für den Abbau der 'Cover Plate' (Deckplatte).
6. Das Gerät nur reinigen mit einem zarten und leicht feuchten Lappen ohne Reinigungsmittel.
7. Immer die Elektrizität ausschalten bevor Installation !

Installation

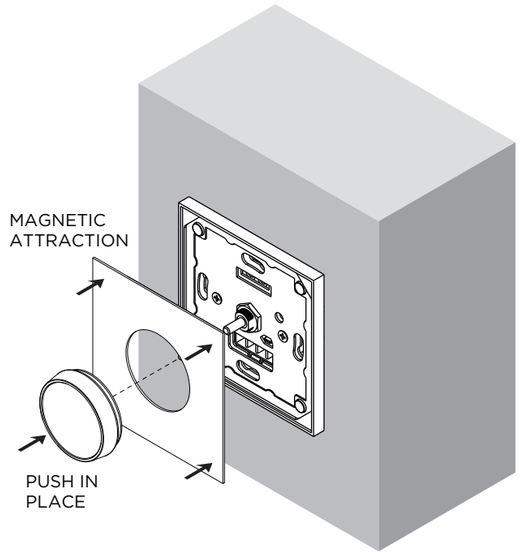
1 RECESSED WALL BOX INSTALLATION



2 FIX FRAME TO WALL OR JUNCTION BOX WITH 2 SCREWS (USE HOLES ON VERTICAL AXIS)



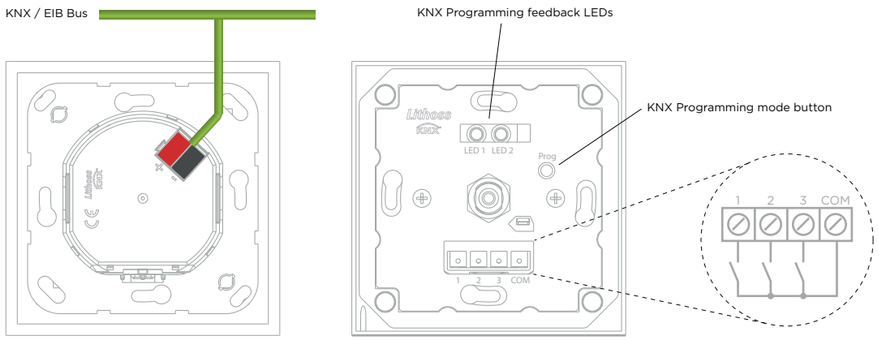
3 PUT COVERPLATE AND DIMMER INTO PLACE PAY ATTENTION TO POSITION DIMMER



Specifications

KNX medium	TP 1
Commissioning mode	S-mode
Rated voltage KNX	DC 21-32V
Safety class	III
Connection type bus	Connection terminal
Current consumption	
KNX	max 12,5 mA
Energy saving mode	3 mA
Push button interface	
Poll voltage	20 V
Cable length	max 5m
dimmer type	rotary switch
Ambient conditions	
Ambieant temperature	-25°C/+55°C
Storage/transport temperaure	-25°C/+55°C
Relative Humidity	5-93%

Wiring diagram



Connecting and fitting the device

- Connect bus line with terminal to bus connection (1).
- If necessary, connect potential-free contacts to the push-button interface (5) between terminals COM and 1...3(figure 2).
- Install the device (2) in the appliance box.
- Mount the frame (6), the central plate (7) and the control button (8).

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MADE IN BELGIUM 06/11/2019 - Art. 101797 - VERSION 1

Safety Instructions

Electrical equipment may only be installed and fitted by electrically skilled persons.

Serious injuries, fire or property damage possible. Please read and follow manual fully.

Danger of electric shock on the KNX installation. Do not connect any external voltage to the inputs. Doing so may damage the device(s), and the SELV potential on the KNX bus line will no longer be available.

These instructions are an integral part of the product, and must remain with the end customer.

Functions

System information

This device is a product of the KNX system and complies with the KNX directives. Detailed technical knowledge obtained in KNX training courses is a prerequisite to proper understanding.

The function of this device depends upon the software. Detailed information on loadable software and attainable functionality as well as the software itself can be obtained from the manufacturer´s product database. Planning, installation and commissioning of the device are carried out with the aid of KNX-certified software. The latest versions of product database and the technical descriptions are available on our website.

Intended use

- Operation of loads, e.g. light on/off, dimming, blinds up/down, brightness values, temperatures, calling up and saving light scenes, etc.
- Installation in appliance box to DIN 49073

Product Characteristics

- Operation by turning or pressing the control button
- Integrated push-button interface: Three binary inputs for potential-free contacts
- Functions for control button and push-button interface: Switching, dimming, shutter control, value transmitters, calling up moods, etc.
- Acoustic signal transmitter, e.g. for status, operation or alarm message, ringtone or audible alert
- Alarm function, optional with confirmation by pressing
- Convenience function for dimming and value adjustment: Preselection of the increment by fast turning
- Energy saving mode
- Separated locking functions for control button and push-button interface

Energy Saving Mode

The device switches to the energy saving mode after a preset time or by an external telegram. In the energy saving mode the signal transmitter and push-button interface are without any functions. During operation, the energy saving mode is exited.

ⓘ Operations from the energy saving mode are executed immediately.

Operation

The switching, dimming, blind, scene extension unit or value transmitter functions are available independent of each other for printing or turning the control button.

Press the control button

- Switch: Short press on the control button.

ⓘ A long push-button action can be used for operation of a second function.

- Dim: Long press on the control button.
- Move Venetian blind: Long press on the control button.
- Stop or adjust Venetian blind: Short press on the control button.
- Call up light scene: Short press on the control button.
- Save light scene: Long press on the control button.
- Call up value: Short press on the control button.
- Adjusting value: Press control button for a long time.

Press the control button

- Switching: Turn to the right or left.
- Dimming brighter: Turn to the left or right.
- Dimming darker: Turn to the left or right.
- Moving blind upwards: Turn to the left or right.
- Moving blind downwards: Turn to left or right.
- Calling up light scene: Turn to the left or right.
- Calling up or adjusting values: Turn to the left or right.

Commissioning

Load the address and the application software

- Switch on the bus voltage
- Press the programming button (4).
  The device indicates the programming mode with a pulsating tone (0.5 Hz).
- Assign physical address.
  Signal tone becomes silent.
- Write the physical address on the device label.
- Load the application software into the device.

Troubleshooting

LED (3) flash alternately, no operation is possible

No application software is loaded.
Load the application software.

Push button interface and signal transmitter show no function

Energy saving mode active.
Deactivate energy saving mode, depending on the setting e.g. by operation on the setting wheel or by external presetting.
If the energy saving mode blocks other device functions: Check parameter setting and adjust if necessary.

Downloads

KNX parameter handbook:
http://www.lithoss.be/images/uploads/pdf/LITHOSS_KNX_DIMMER_PARAMETER_HANDBOOK_v1.pdf

ETS file dimmer KNX:
www.lithoss.be/images/uploads/pdf/Lithoss_KNX_DIMMER_DE_EN_FR_NL.zip

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DANGER!
Electrical shock on contact with live parts in the installation environment.
Electrical shocks can be fatal.
Before working on the device, disconnect the power supply and cover up live parts in the working environment.