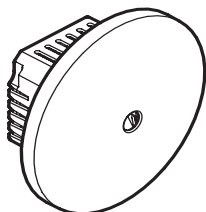


LK IHC® Wireless Dimmer Lamp Outlet 250 W UNI Ø80



505DA102

A: 5=Light grey, 6=white

For your safety

DANGER

Risk of serious damage to property and personal injury, e.g. from fire or electric shock, due to incorrect electrical installation.

Safe electrical installation can only be ensured if the person in question can prove basic knowledge in the following areas:

- Connecting to electrical installations
- Connecting several electrical devices
- Laying electric cables

These skills and experience are normally only possessed by skilled professionals who are trained in the field of electrical installation technology.

If these minimum requirements are not met or are disregarded in any way, you will be solely liable for any damage to property or personal injury.

DANGER

Risk of death from electric shock.

The outputs may carry an electrical current even when the device is switched off. The device must not be touched when under electricity power. Always disconnect the fuse in the incoming circuit from the supply before working on connected loads.

CAUTION

The dimmer may be damaged!

- Always operate the dimmer according to the technical data provided.
- The dimmer is designed for sinusoidal mains voltages.

Application

IHC Wireless lamp outlet is used for installing in ceiling boxes (but not PL 35/16 mm) where a dimmer outlet is wanted, that can be controlled remotely. The unit can be used together with IHC Control or be part of an IHC Wireless “stand-alone” system.

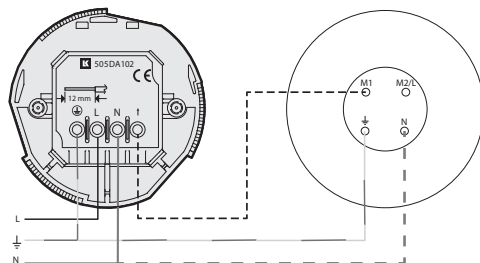
It is a particular advantage to use the lamp outlet where you want to control a number of lamp outlets individually even though they are connected in parallel.

This model can dim filament lamps, 230 V halogen lamps, and 12 V halogen lamps supplied by either iron-core (dimnable) or electronic transformer (though not simultaneously). The dimmer can also be used with LED light sources, if they are suitable for use with this dimmer.

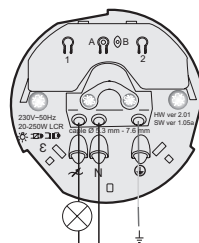
Design

IHC Wireless lamp outlet must be connected to phase, neutral and earth.

Connections, rear



Connections, front



Note that the lamp outlet can be connected both from the front and from rear side, so that it can control a number of passive lamp outlets as ‘slaves’ (shown with dotted lines).

In the event of a power outage, the lamp outlet remembers its status and programming. It returns to the same status when the voltage is connected again. The light dimmer has electronic protection against short circuiting and overload. When the error has been removed and the light dimmer has cooled off, it will work again.

Installation

When installing, the following must be observed:

- If the lamp socket is connected to an IHC Controller, min. be 3 m away from the IHC Controller's antenna and it should be placed diagonally to get the best coverage.
- If several dimmers are mounted next to each other, there must be a distance of min. 12 cm.

Programming

To access the programming buttons and LED, the cover must be removed. The lamp outlet must be connected to voltage in order to be programmed. In some cases, a light source must be connected to the lamp socket before programming/Linking.

The procedure for programming the lamp outlet is the same as for other IHC Wireless receivers and is explained in the common guide for IHC Wireless. If the lamp outlet is to be used with IHC Control, the lamp outlet is inserted as a component in IHC Visual and linked. The dimmer's operating parameters can be set by using the IHC Visual Software. For details, refer to the IHC Control manual.

Operating parameters:

- Ramp times
- Min./max. setting
- Operating mode (auto/leading edge/trailing edge)

Note: Changed operating parameters are maintained in case of deletion of programming or reprogramming to stand-alone system.

Technical data

Nominal voltage	230 V AC / 50 Hz
Power consumption	Max. 4 W (at full load)
Standby	0.3 W (without connected load) 0.8 W (with connected load)
Min. load	20 W
Nominal power	250 W
Loads	
Filament lamps	250 W
LED	125 W, max. 10 pcs. See "Dimmer and LED guide" for tested types.
Halogen lamps	
230 V	250 W
12 V (electronic or FE transformer)	250 W
Connection	Back cover: Phase, outlet, neutral, earth Under cover: Outlet, neutral, earth
Transmission frequency	868 MHz

Terminals	Screw terminals. Rigid cables: max. 4 x 1.5 mm ² Flexible cables: max. 3 x 1.5mm ² (both back and under cover)
Flexible cable outlet:	H03VV-F, H05VV-F: 2x0.75mm ² - 3x0.75mm ²
Operating temperature	-5 to +30 °C (for derating, see online catalogue)
Humidity	20 - 95% RH, non-condensing
Fuse rating	Max. 13 A
Protection rating	IP20
Module size	Ø 80 mm
Max. hanging weight	5 kg. (Remember to check what the cable that is used can bear. See under rosette material in the LK catalogue).
Directives/Standards	See online catalogue

Note: These guidelines apply to lamp outlets marked with HW ver. 2.00 (or later) under the front cover.



Dimmer and LED guide

Our guide on the internet can be used to easily find LED light sources that can be used. The address is: lk.dk/dimmertool



Accessories



IHC® Wireless round installation box Ø80
Light gray: 503R5410
White: 503R6410.

Lauritz Knudsen

Schneider Electric Danmark A/S · Lautrupvang 1 ·
2750 Ballerup · Phone 88 30 20 00 · www.lk.dk