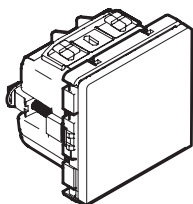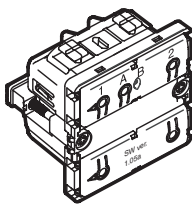# LK IHC® Wireless
Dimmer Receiver 250 W UNI

505DA103   505D0103

A: 0=without cover, 5=grey, 6=white, 8=coalgrey

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. Always disconnect the fuse in the incoming circuit from the supply before working on connected loads.

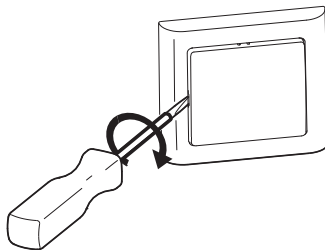⚠ **CAUTION**

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

Application

LK IHC Wireless dimmer receiver is used where a dimmable outlet is required that can be remotely operated with the LK Wireless system. Both IHC Wireless "Stand-alone" system and IHC Control can

be used. The dimmer can only be operated remotely when delivered. If local control is required, a wireless rocker (530DA001) must be purchased and a FUGA enclosure 44 x 26 (530DA037). Usually, the outlet from the product is connected with a lamp outlet. This model can dim filament lamps, 230 V halogen lamps, and 12 V halogen lamps supplied by either iron-core 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.
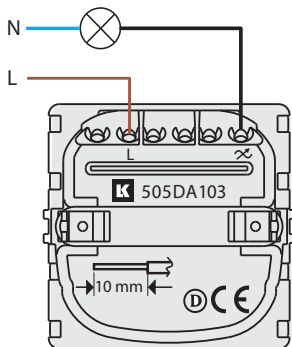
Design

The universal product has a connection for phase and switch wire. In case of a power outage, the universal product remembers its on/off status, and adopts the same mode when the voltage returns again.

Programming

To program the dimmer, the enclosure must be removed first. This can be done by carefully inserting a screwdriver or similar tool into the left and right side respectively and wiggling/tilting it until the enclosure loosens at the sides. Then remove the enclosure, and you get access to buttons and LED for programming. The dimmer must be connected to voltage and load in order to be programmed.
The procedure for programming the dimmer is the

same as for other IHC Wireless receivers and is explained in the common guide for IHC Wireless (019D904122). If the dimmer will be used with IHC Control, it is inserted as a component in IHC Visual and linked. The dimmer's operating parameters can be set by means of IHC Visual. 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.

Necessary accessory

For inserts without rockers you need to buy rockers before the product will work.

Technical data

Nominal voltage	230 V AC / 50 Hz
Power consumption	Max. 4 W (at full load)
Standby	1 W
Min. load	20 W
Nominal power	250 W

Loads
  Filament lamps
  LED
 	
Halogen lamps
  230 V
  12 V (electronic or
  FE transformer)
	
	250 W
	125 W, max. 10 pcs. See "Dimmer and LED guide" for tested types.
	
	250 W
	
	250 W

Connection	Phase and switch wire
Terminals	Screwless terminals, max. 2 x 2.5 mm²
Transmission frequency	868 MHz
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	1 M FUGA
Directives/Standards	See online catalogue
Approvals	DEMKO

Lauritz Knudsen

Dimmer and LED guide
Our guide on the internet can be used to easily find LED light sources that can be used.