OPTIMISE YOUR OUTDOOR LIGHTING WITH OUR INNOVATIVE CONTROL CABINET SOLUTIONS

The SLC RC Switch is a control solution specifically developed for integration in control cabinets. This control cabinet solution can also be used to switch conventional luminaires and LED luminaires without a DALI connection or Zhaga interface on and off, or to reduce their light output if a control phase is present. Thanks to its numerous functions, the SLC RC Switch provides a powerful solution for controlling and monitoring lighting systems.

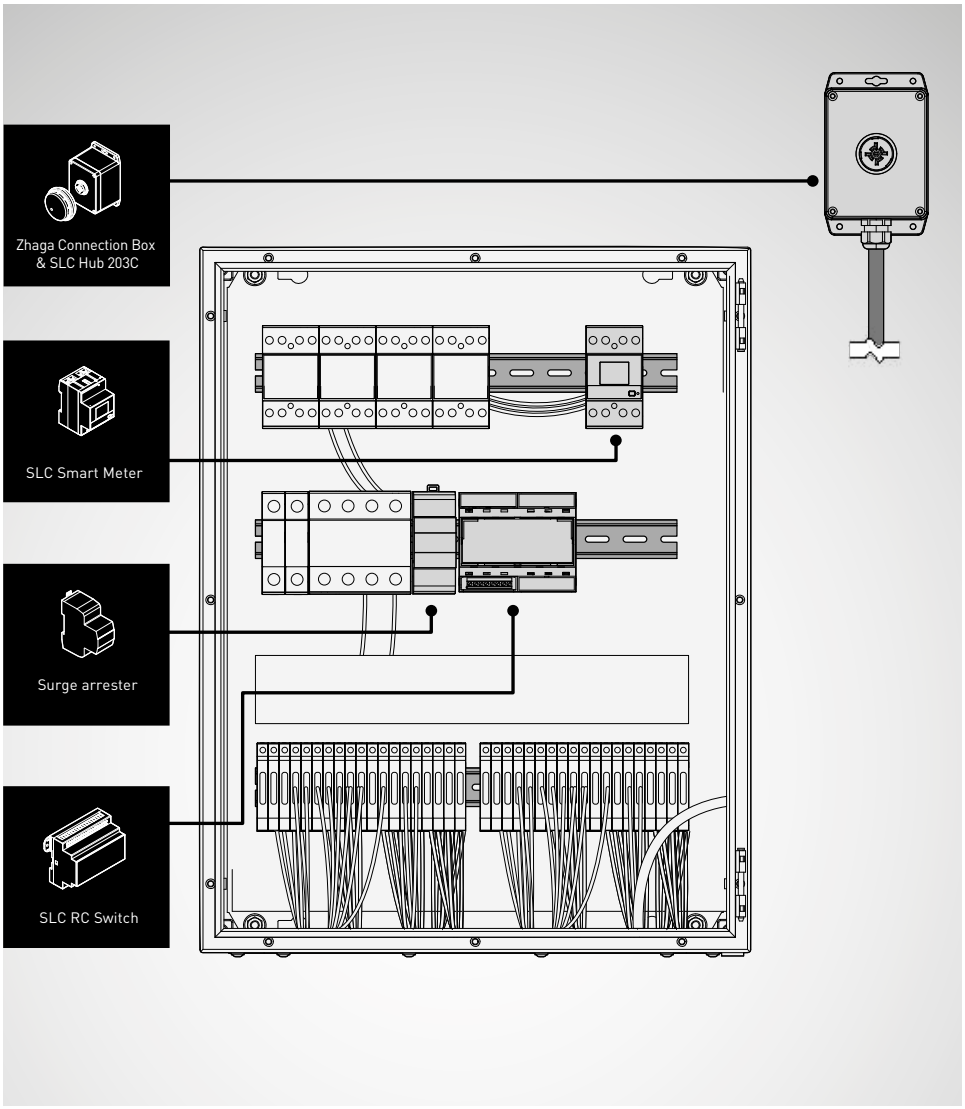
FEATURES

- **Real-time data transmission:** thanks to the integrated eSim card, the SLC RC Switch can synchronise measurement data in real time and control via an SL-Control web platform
- **Versatile switching outputs:** the SLC RC Switch has three configurable switching outputs that can respond to external sources such as twilight switches and other external switches
- **Energy monitoring:** integrating an SLC Smart Meter enables the SLC RC Switch to monitor the energy consumption and create reports
- **Automatic positioning:** the built-in GNSS receiver enables automatic positioning and commissioning of the device and thus the location-based determination of astro times
- **Network integration:** the SLC RC Switch can be connected to luminaire controllers via a 2.4 GHz mesh network (max. radio range 250 m)
- **Intelligent control:** automated time schedules and sensors for needs-based lighting
- **Energy efficiency:** lower energy consumption, lower costs

HIGHLIGHTS

- **Modular design:** Customisable control cabinet configurations
- **Remote monitoring:** Real-time diagnostics and control via the internet

SLC RC Switch



Radio ripple control for control cabinets

- Modernisation of the ripple control system
- Centralised switching and dimming (luminaires with power reduction via control phase) of the lighting system
- RS485 interface for connecting the SLC Smart Meter
- Three outputs for switching control elements (such as contactors)
- Three digital inputs, e.g. for
  – Manual/automatic mode
  – Integration of an external photocell
  – Emergency switching (e.g. signal from the fire alarm system)
- Local access via wireless USB stick, additional remote access via mobile radio
- 5-year remote access included
- Automatic switching according to time of day, weekday, astronomical clock and ambient brightness

Note: when using the SLC RC Switch, IP protective housing and overvoltage protection are recommended.

Technology and installation

The SLC RC Switch is a controller that was developed for controlling road sections from the control cabinet. It can be simply mounted on the DIN top-hat rail and serves, among others, as a replacement for the ripple control system. A built-in eSim enables the SLC RC Switch to be integrated into a web-based application. A wide variety of data (e.g. energy consumption and dimming profiles) is synchronised with a cloud application via the integrated cellular connection. The SLC RC Switch can also connect to other luminaire controllers in the vicinity via a mesh network. With the combination of SLC RC Switch and SLC Smart Meter, energy data can be read out via the cloud and the lighting system can be monitored. This enables potential error sources to be identified – even with conventional lighting. Thanks to MID certification (European Measuring Instruments Directive 2014/32/EU), the recorded data can also be used for billing purposes. With control cabinets made of metal or concrete, it is possible to use the SLC RC Switch with an external antenna. In addition, the switching points can subscribe to the ambient brightness of an external luminaire controller (with optional use of an SLC Hub 203C) via GSM. This allows the relay outputs to be controlled at different ambient brightness levels.