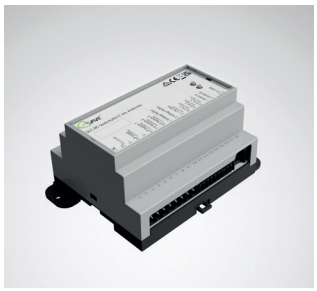


LiveLink HORIZON Cabinet Controller

Optimise your outdoor lighting with our innovative control cabinet solutions

The LiveLink HORIZON Cabinet Controller 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 HORIZON Cabinet Controller provides a powerful solution for controlling and monitoring lighting systems.



LiveLink HORIZON Cabinet Controller

Features

Real-time data transmission
Thanks to the integrated eSim card, the HORIZON Cabinet Controller can synchronise measurement data in real time and control via SL-Control web platform.

Versatile switching outputs
The HORIZON Cabinet Controller has three configurable switching outputs that can respond to external sources such as twilight switches and other external switches.

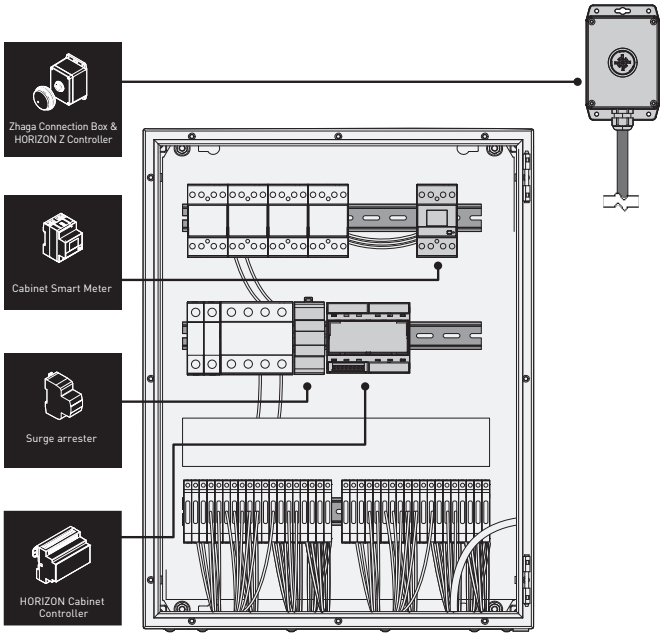
Energy monitoring
By integrating a Cabinet Smart Meter, the HORIZON Cabinet Controller can track and monitor energy consumption and generate error messages.

Automatic positioning
The built-in GNSS receiver enables automatic positioning and commisioning of the device and thus the location-based determination of astro times.

Network integration
The HORIZON Cabinet Controller 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
Intelligent control minimizes energy consumption and optimizes operating costs.



Note: When using the HORIZON Cabinet Controller, IP protective housing and overvoltage protection are recommended.

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 Cabinet 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
  – Emergencyswitching
  (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

Technology and installation

The HORIZON Cabinet Controller was developed to control street sections from inside 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 HORIZON Cabinet Controller 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 HORIZON Cabinet Controller can also connect to other HORIZON controllers in the vicinity via a mesh network. With the combination of HORIZON Cabinet Controller and Cabinet 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 HORIZON Cabinet Controller with an external antenna. In addition, the switching points can subscribe to the ambient brightness of an external luminaire controller (with optional use of a HORIZON Z Controller) via GSM. This allows the relay outputs to be controlled at different ambient brightness levels..

If you have specific questions about lighting management, please feel free to contact our specialist.



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