Preliminary remarks HELLA
LED control module for awning ONYX® (ONYX.LED)

With this HELLA product you have opted for a high-quality product with a most up-to-date technology that can nevertheless be easily installed and operated. In these instructions we describe the basic configuration and use of ONYX.LED.

Ex works, ONYX.LED is integrated in awnings with LED lighting from HELLA Sonnen- und Wetterschutztechnik.

The following symbols will assist you with the configuration or use and require a safety-conscious conduct:

Attention!
This symbol indicates instructions that, if disregarded, can put the user in danger.

Attention!
This symbol indicates instructions that, if disregarded, can potentially result in damage to the product.

This symbol indicates instructions for use or helpful information.

This symbol requires you to act.

Attention!
This symbol indicates a risk of injury or danger to life due to an electric shock.

This symbol indicates parts of the product, for which you will find important information in these installation instructions.

Questions
In case of questions concerning the installation or the use of your product, please consult your authorized specialist shop.

Warranty
Warranty claims are subject to statutory limitation periods. Wear parts are excluded from the warranty; the same applies for changes in colour and changes in characteristics caused by UV radiation.

Liability
In case of non-observance of the directions and information given in these instructions and in case of improper operation or unintended use, the manufacturer shall not accept any warranty claims concerning any damage to the product. In these cases the liability for consequential damage to any parts or persons is ruled out as well.

Legal notes
The graphs and texts of these instructions were carefully prepared. We cannot be held liable for any errors and their potential consequences! Subject to technical modifications to the product and to these instructions! These instructions include copyrighted information. All rights reserved! The listed product or brand names are trademarks of the respective owners.

EC declaration of conformity
The HELLA Sonnen- und Wetterschutztechnik GmbH hereby declares that this product complies with the basic requirements and the other applicable regulations of the EC directives. The complete declaration of conformity can be found in the download area of our website https://www.hella.info.
Safety instructions

These installation instructions refer to prefabricated elements, that (1) for 100% are made from parts, which are defined by us too; in all other cases we do not provide any guarantee! The safety instructions as well as the appropriate instructions must be read carefully before installation and use. In case of non-observance of the directions and information given in these instructions and in case of improper installation and operation or unintended use, the manufacturer shall not accept any warranty claims concerning any damage to the product. In these cases the liability for consequential damage to any parts or persons is ruled out as well.
- Follow the described installation steps and pay attention to recommendations and notes.
- Keep these instructions in a safe place.
- Observe the regulations for prevention of accidents of the employer's liability insurance association!
- Before operation check the unit for visible damage. If the unit is damaged, it should not be used; please consult authorized specialist staff immediately.
- Only use unmodified original parts from HELLA.
- In case of unauthorised opening of the device, improper use, incorrect installation or incorrect operation, there is a risk of damage to persons or property.
- Never let children play with the unit.

Observance of regulations and rules

The building owner is responsible for the observance of statutory rules and country-specific provisions on site.

Scope of delivery

The following components are included in the scope of delivery:
- LED control module for awning ONYX® (already mounted in the awning)

Device description

LED control module for awning ONYX® (ONYX.LED)
Art. no. 05510008
200-240 V AC / 50-60 Hz
ONYX.LED is a LED control device, which ex works is already integrated in the awning from HELLA Sonnen- und Wetterschutztechnik. With ONYX.LED you can control the lighting of the awning via the Smart HOME SYSTEM ONYX.HOME, either via ONYX.CENTER and the app ONYX® or via the hand-held radio transmitter ONYX.CLICK.

Technical data

<table>
<thead>
<tr>
<th>LED control module for awning ONYX®</th>
<th>Input</th>
<th>200 – 240 V AC / 50-60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>24 VDC, PWM</td>
<td></td>
</tr>
<tr>
<td>Power consumption in the standby mode</td>
<td>0.5 W</td>
<td></td>
</tr>
<tr>
<td>Maximum power consumption (depends on the size of the awning)</td>
<td>90 W</td>
<td></td>
</tr>
<tr>
<td>IP rating</td>
<td>IP 55</td>
<td></td>
</tr>
<tr>
<td>Permitted operating temperature range</td>
<td>-20 °C to +55 °C</td>
<td></td>
</tr>
<tr>
<td>Radio frequency</td>
<td>868.3 MHz</td>
<td></td>
</tr>
<tr>
<td>Transmission power</td>
<td>12.6 mW</td>
<td></td>
</tr>
<tr>
<td>Installation type</td>
<td>Already ex works mounted in the LED awning from HELLA Sonnen- und Wetterschutztechnik</td>
<td></td>
</tr>
<tr>
<td>Channels</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Configuration

Once the connection cable of the ONYX.LED is supplied with voltage, the lighting of the awning switches on briefly and then is dimmed slowly. In this way you can ascertain, if the awning lighting is connected correctly. This process is no longer performed, when ONYX.LED is already connected with a hand-held radio transmitter ONYX.CLICK or with ONYX.CENTER.

Before configuring the ONYX.LED, download HELLA’s free app ONYX® from the App store/Google Play to your smart phone.

Configuration ONYX.LED with ONYX.CLICK (without ONYX.CENTER)
Before you can use ONYX.LED in combination with the hand-held radio transmitter ONYX.CLICK, ONYX.CLICK must be connected with the app ONYX®. Once the hand-held radio transmitter is connected with the app, the menu item “Configure devices” opens. You can now add a new awning lighting ONYX.LED with “+”. The camera opens. By tapping on “A” in the lower area of the screen, a window opens showing all available devices. The overview displays ONYX.LED as “LED”. ONYX.LED is connected with the hand-held radio transmitter via “Adaption to the system”. Then follow the instructions on the screen. The configuration is continued as described in the instructions for use for ONYX.CLICK.

Configuration of ONYX.LED with ONYX.CENTER
Before you can use ONYX.LED in combination with the hand-held radio transmitter ONYX.CLICK, ONYX.CENTER must at first be connected with the app ONYX® as described in the instructions for use. Once ONYX.CENTER is set completely, the “Configuration mode” is activated. You find it under “Settings”. Under the menu item devices a new awning lighting ONYX.LED can now be added with “+”. The camera opens. By tapping on “A” in the lower area of the screen, a window opens showing all available devices. The overview displays ONYX.LED as “LED”. ONYX.LED is connected with the hand-held radio transmitter via “Adaption to the system”. Then follow the instructions on the screen. The configuration is continued as described in the instructions for use for ONYX.CENTER.
Operation

Operation via the hand-held radio transmitter ONYX.CLICK

The lighting is switched on and off with the two pushbuttons “UP” and “DOWN”. If one of the two pushbuttons is pressed longer, the lighting can be dimmed. If this pushbutton is released, the current brightness of the lighting is kept. The current brightness is reset after the switching on.

Groups with different shading and light control devices can be configured freely at the hand-held radio transmitter ONYX.CLICK. All elements in one group can be controlled together.

Per group configured one brightness value can be saved at the hand-held radio transmitter ONYX.CLICK, so that it can easily be assessed again at a later time.

Operation via the app ONYX®

The awning lighting switches on or off by tapping on the respective icon of the lighting. The current brightness is reset after the switching on.

By swiping up or down over the respective icon of the lighting, the awning lighting is dimmed up to the maximum/minimum brightness. Whilst the awning lighting is dimmed, the desired brightness can be kept by briefly tapping.

Groups

In combination with ONYX.CENTER, groups with their different sun protection devices/awning lightings can be configured freely in the ONYX® app. All units in one group can be controlled together.

Favourite position (heart symbol)

In the ONYX® app up to six freely selectable brightness possibilities can be saved per ONYX.LED, which you simply can use again at a later time.

Ideal use of the radio signal

In case of bad reception, the position of the ONYX.CENTER/ONYX.CLICK must be changed.

Radio systems that send on the same frequency may cause interference with reception. It must be considered that the range of the radio signal is limited by statutory regulations and structural measures.

Fault removal

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Troubleshooting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighting can not be controlled in the ONYX® app (offline)</td>
<td>No mains voltage at the awning</td>
<td>Check the mains voltage and establish it if necessary.</td>
</tr>
<tr>
<td>Poor or no radio reception.</td>
<td>Adverse position of the ONYX.CENTER or ONYX.CLICK</td>
<td>Change the position of the antenna of the ONYX.CENTER or re-position ONYX.CENTER/ONYX.CLICK</td>
</tr>
</tbody>
</table>

Disposal

Dispose of the device in accordance with the current country-specific regulations for electronic scrap (e.g. collecting points).

HELLA Interior Venetian Blinds
regulate the lighting in a room very comfortably, immediately gracing it with much more atmosphere.

HELLA Insect Screens
and you decide who is allowed to come in and who isn’t.

HELLA Pleated Blind
folds up very compactly and protects very well against the sun and nosey glances where only little space is available.

HELLA Venetian Blinds
serve for the light regulation, as view protection, anti-glare blind and heat protection.

HELLA Front-mounted Roller Shutter
for more safety and protection against rain, wind, heat, the cold, noise and nosey glances, also available for subsequent installation.

HELLA Facade Awning
with exposing mechanism for lovely facade design with perfect heat protection and anti-glare blind.

For questions, wishes and ideas:
HELLA Infoline +43/(0)4846/6555-0

HELLA Sonnen- und Wetterschutztechnik GmbH
A-9913 Abfaltersbach, No. 125
Tel.: +43/(0)4846/6555-0
Fax: +43/(0)4846/6555-134
e-mail: office@hella.info
Internet: http://www.hella.info