

DATASHEET CONTROL BOX 2.0

CONTROL BOX

Luminaire controls & information



TYPICAL APPLICATIONS

InControl is a full range of control equipment for all types of wireless controlled AAA-LUX LED luminaires of the WS, AL and JT-series.

InControl is a cost efficient and reliable method for controlling and monitoring AAA-LUX luminaires, while power savings and carbon footprint are being reduced. The InControl product range is largely divided into two groups: standalone applications and the more advanced control box applications.

Communication is based on the proprietary LEDxLINK protocol, developed by AAA-LUX.

The Control Box is the central device of all controllable applications, for indoor placement. It is supplied with an antenna box for outdoor placement to communicate with luminaires.

AAA-LUX offers LED lighting for high mast applications such as outdoor sport fields, indoor and outdoor stadiums and outdoor industrial applications such as ports, airports and other large areas.

More information on www.AAA-LUX-lighting.com



DESCRIPTION

Central programmable control computer, to operate up to 6 groups (areas). User interfaces can be 3 types of “group” Switch Boxes, touchscreen, AAAApp and API to communicate with third party software.

FEATURES AND BENEFITS

Main features and benefits are:

- Robust industry grade design
- Low power, fanless design
- LEDxLINK compliant
- Programmable for specific software for light scenes via the AAA-LUX Lighting Installation Tool
- API (Application Programming Interface), for integration with external system, e.g. BMS (building management system)

The Control Box has interfaces/connections for:

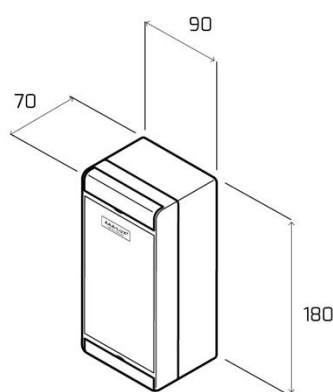
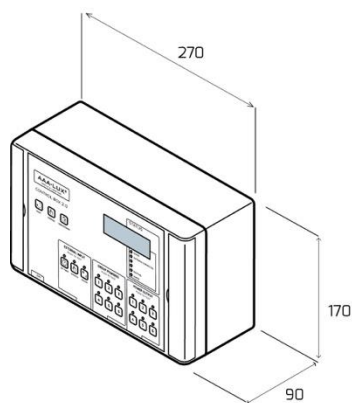
- Electronic power supply
- Ethernet cable
- Antenna for the proprietary AAA-LUX system (include in the box)

To setup a controlled network with the AAA-LUX Control Box, it must be connected to a router to establish its own Ethernet network.

TECHNICAL DATA



Control Box. Dimensions (in mm) 270 x 170 x 90, for reference only.

Antenna Box. Dimensions (in mm) 70 x 180 x 90, for reference only.



Dimensions in mm

Mechanical – electrical data

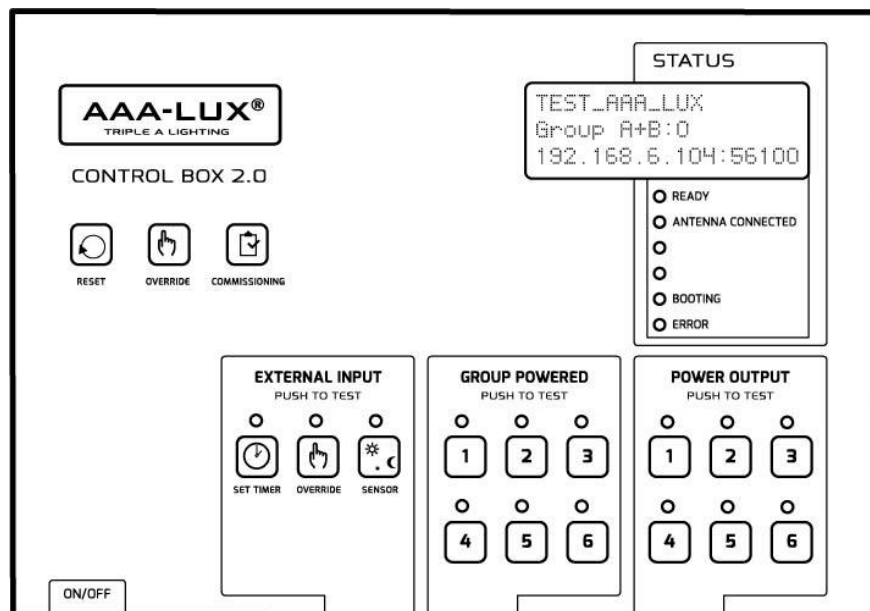
| | Specification | Min | Typ | Max | Unit |
|---|-----------------------|-----|-----|-----|------|
|  | Power consumption | | | 60 | W |
| | Voltage input | | 230 | | VAC |
| | Frequency | 50 | | 60 | Hz |
|  | Operating temperature | 0 | | +60 | °C |
| | Weight | | 1.5 | | kg |

Electrical data – inputs - outputs

| | Specification | Min | Typ | Max | Unit |
|---|-----------------------|-----|----------------|-----|------|
|  | Relay outputs voltage | | | 24 | VAC |
| | Relay outputs current | | | 1 | A |
| | Sensor Inputs | | Potential free | | |
| | Ethernet | | RJ45 | | |
| | USB | | Standard type | | |
| | | | | | |

For detailed external connections see paragraph “External connections side panel”

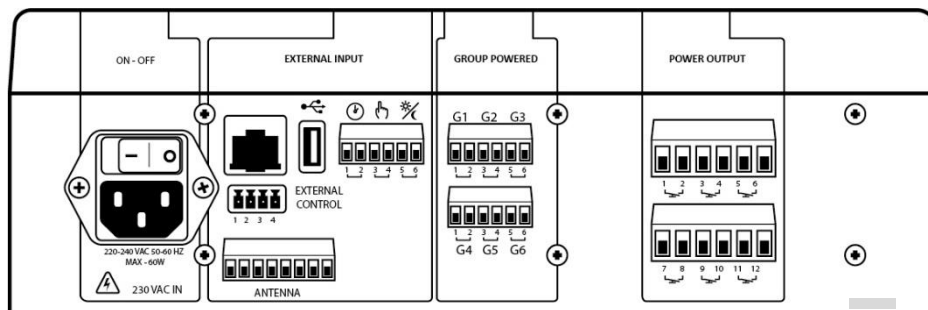
FRONT PANEL DESCRIPTION



Display and general buttons

| Description | Function |
|----------------|--|
| Status display | Give status information |
| Reset | Restarts the software |
| Override* | Releases the system for usage e.g. testing |
| Commissioning | Loads TIF data from USB when pressed |

EXTERNAL CONNECTIONS BACK PANEL



| Description | Electrical | Function | Connector |
|------------------|----------------------|--|------------------|
| Power input | 220-250VAC | Power connection for control box | Euro C13 |
| External control | 15VDC | Future connection of external wired controls | Würth serie 381 |
| External antenna | 15VDC | Connection for external antenna box | Würth serie 381 |
| External inputs | Voltage free contact | Release for use of the system with a timer, external switch or daylight sensor | Würth serie 381 |
| Input sensor | Voltage free contact | Release for use of LIT group number | Würth serie 381 |
| Output relay | Max. 24VAC/1A | Relay closes the connection normally used to send a signal to the electrical system to close a 400VAC contactor. This will put the voltage on the luminaires of that LIT based group | Würth serie 3527 |

ORDERING CODES

| Type number | Code | Description |
|-------------|------|--|
| 840404 | CB | Control box. Control system that can control up to 6 groups and can interface with various control modules, app and third party controllers via interface box and AP. incl. AAA-LUX Antenna Box with 20m CAT7e cable |

SAFETY

Before installation read the user manual carefully. Installation is only authorized to trained professionals.

Make sure that everyone working with the product during installation is known with the content of the user manual.

MAINTENANCE

Maintenance is not needed throughout the lifetime of the product, except cleaning and safety inspection of the product.

PATENTS

The product is protected by European patent(s)

COMPLIANCY TO STANDARDS

EN61347-1:2015 General and safety requirements for lamp control gear

EN61347-2-11:2001 Particular requirements in respect of electronic modules for luminaires

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Made in the Netherlands

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