

**Supply & Power**

|                         |   |
|-------------------------|---|
| Supply voltage          | 12 ... 28VDC  |
| Power consumption       | typ. 0.4W (no bus load)<br>max. 5.4W (incl. 250mA bus load) |
| Power loss at max. load | 1.4W (at 250mA bus load)                                    |

**DALI Interface**

|              |  |
|--------------|--|
| DALI devices | max. 64 devices / 16 groups  |
| DALI types   | supported DALI device types: 0-8<br>supported DALI-2 instance types: 1-4 |
| Bus length   | max. 300m / 985ft at 1.5mm <sup>2</sup>                                  |
| Bus supply   | guaranteed: 240mA<br>max. 250mA  |

**Loxone Link Interface**

|             |                            |
|-------------|----------------------------|
| Loxone Link | Connection with Miniserver |
|-------------|----------------------------|

**Ambient Conditions**

|                    |                                |
|--------------------|--------------------------------|
| Temperature        | -40 ... 55°C / -40 ... 131°F   |
| Humidity           | max. 95% r.H. (non condensing) |
| Ingress Protection | IP20                           |



For more information  
about this product, visit  
[loxone.com/DALI-Extension](https://loxone.com/DALI-Extension)

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# DALI Extension for 64 Devices



For additional information,  
declaration of conformity, visit  
[www.loxone.com/datasheets](https://www.loxone.com/datasheets)



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Part No.: 100200



## About the product

DALI is a standardized wired lighting interface that offers a wide range of manufacturers and lighting fixtures. The Loxone DALI Extension integrates these products into the Loxone ecosystem, and is able to control up to 64 DALI devices.

### Features:

- Up 64 DALI devices / 16 groups
- Up to 300m cable length
- Supports DALI device-types 0-8
- Supports DALI-2 instance types 1-4
- Integrated DALI power supply (switchable)
- DALI-2 certified

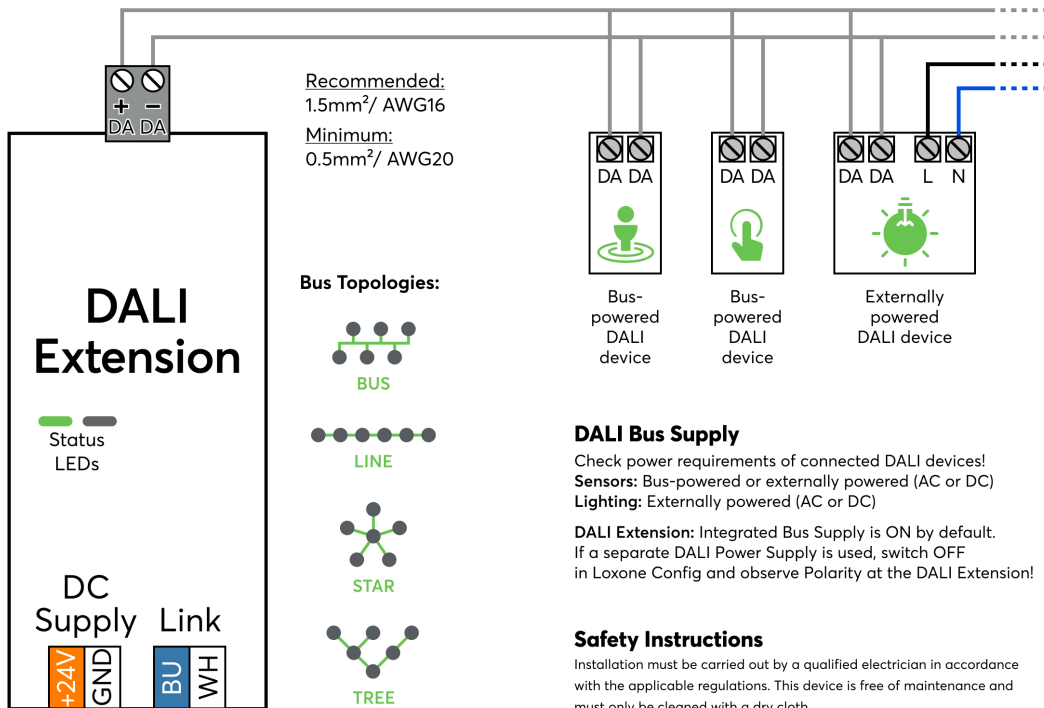
## Connections

### 24VDC & Loxone Link

|                        |  |
|------------------------|--|
| Wire cross-section     | 0.28...0.8mm <sup>2</sup> / AWG23...18 |
| Stripping length       | 5...6mm / 0.2...0.24"                  |
| Temperature resistance | -40...105 °C / -40...221°F             |

### DALI Interface

|                        |  |
|------------------------|--|
| Wire cross-section     | 0.25 ... 2.5mm <sup>2</sup> / AWG24 ... 12 |
| Stripping length       | 7mm / 0.28"                                |
| Temperature resistance | -40 ... 70 °C / -40 ... 158°F              |



## DALI Bus Supply

Check power requirements of connected DALI devices!  
**Sensors:** Bus-powered or externally powered (AC or DC)  
**Lighting:** Externally powered (AC or DC)

**DALI Extension:** Integrated Bus Supply is ON by default.  
If a separate DALI Power Supply is used, switch OFF in Loxone Config and observe Polarity at the DALI Extension!

## Safety Instructions

Installation must be carried out by a qualified electrician in accordance with the applicable regulations. This device is free of maintenance and must only be cleaned with a dry cloth.