

## Technical Specifications

<b>Power supply</b>	18 ... 28VDC
<b>Power consumption</b>	typ. 330mW, max. 360mW
<b>Power loss at max. load</b>	3.56W
<b>Inputs</b>	8 digital inputs: logic 0: 0 ... 4.5VDC undefined: 4.5 ... 5VDC logic 1: 5 ... 24VDC (Ri=100kOhm)
<b>Outputs</b>	4 dimmable outputs (trailing / leading edge) Power supply: 220 ... 240VAC <b>AQ1</b> resistive load: 0 ... 400W capacitive load: 0 ... 200VA inductive load: 50 ... 400VA <b>AQ2, AQ3, AQ4 (per channel)</b> resistive load: 0 ... 210W capacitive load: 0 ... 105VA inductive load: 50 ... 210VA
<b>Interfaces</b>	Loxone Link: connection with Miniserver
<b>Ambient temperature</b>	-10 ... 50°C / 14 ... 122°F
<b>Humidity</b>	max. 95% r.H. (non condensing)
<b>Safety rating</b>	IP20
<b>Operation</b>	Type 1 (UL60730-1, CSA E60730-1)
<b>Rated impulse voltage for dimmer outputs</b>	2.5kV (UL60730-1, max. Altitude 2000m)
<b>Degree of pollution</b>	2

# LOXONE

# LOXONE

## Need Help?

[loxone.com/support](https://loxone.com/support)

## Dimmer Extension

Part No: 100029

**Loxone Electronics GmbH**  
Smart Home 1  
4154 Kollerschlag  
Austria

[loxone.com](https://loxone.com)

V160420



## About the product

The Dimmer Extension is a device for the automatic control and management of home automation and similar non safety critical applications.

## Installation & electrical connection

The installation of the devices is to be mounted on a DIN rail in an electrical distribution housing (Standard distribution) and may only be performed by qualified personnel.

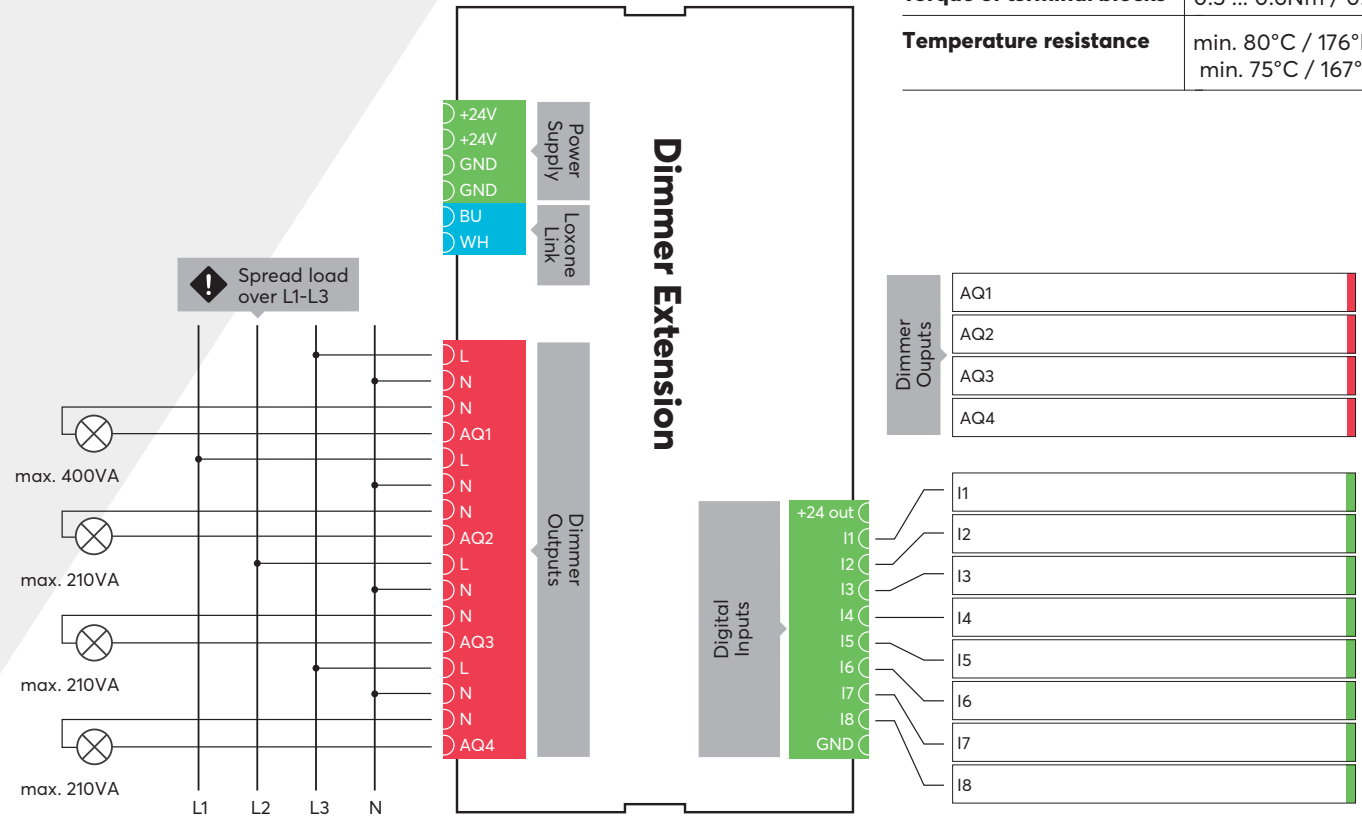
Protection against electrical contact and fire protection must be provided in the final installation by the use of a standards compliant/approved housing. To turn the unit on/off during installation and in case of failure, a separator (disconnecting device) must be present. These must be easily accessible and visible. If the unit is used in a non conform manner as specified by the manufacturer the product included safeguards will be impaired.

1. If multiple Dimmer Extensions are fitted above each other a minimum distance of 50mm between rows has to be maintained.
2. For better heat dissipation multiple Dimmer Extensions should be mounted next to each other rather than above each other.
3. The air flow around the Dimmer Extension should not be obstructed.
4. The ventilation slots have to be kept clear.
5. No other sources of heat ought to be mounted below the Dimmer Extension.



For additional information, declaration of conformity, visit [www.loxone.com/help/dimmer](http://www.loxone.com/help/dimmer)

<b>Dimensions</b>	157x88x57mm / 6.18x3.46x2.24" (LxWxH)
<b>Maintenance &amp; Cleaning</b>	This device is free of maintenance and may only be cleaned with a dry cloth.



## Connection

<b>Wire cross-section</b>	0.05 ... 2.5mm <sup>2</sup> / AWG30 ... 12
<b>Stripping length</b>	6 ... 7.5mm / 0.24 ... 0.30"
<b>Torque of terminal blocks</b>	0.5 ... 0.6Nm / 0.37 ... 0.44 lbf ft
<b>Temperature resistance</b>	min. 80°C / 176°F for IEC, min. 75°C / 167°F for UL