

Technical Specifications

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

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Dimmer Extension

Part No: 100029

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Austria

loxone.com

V181023



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.

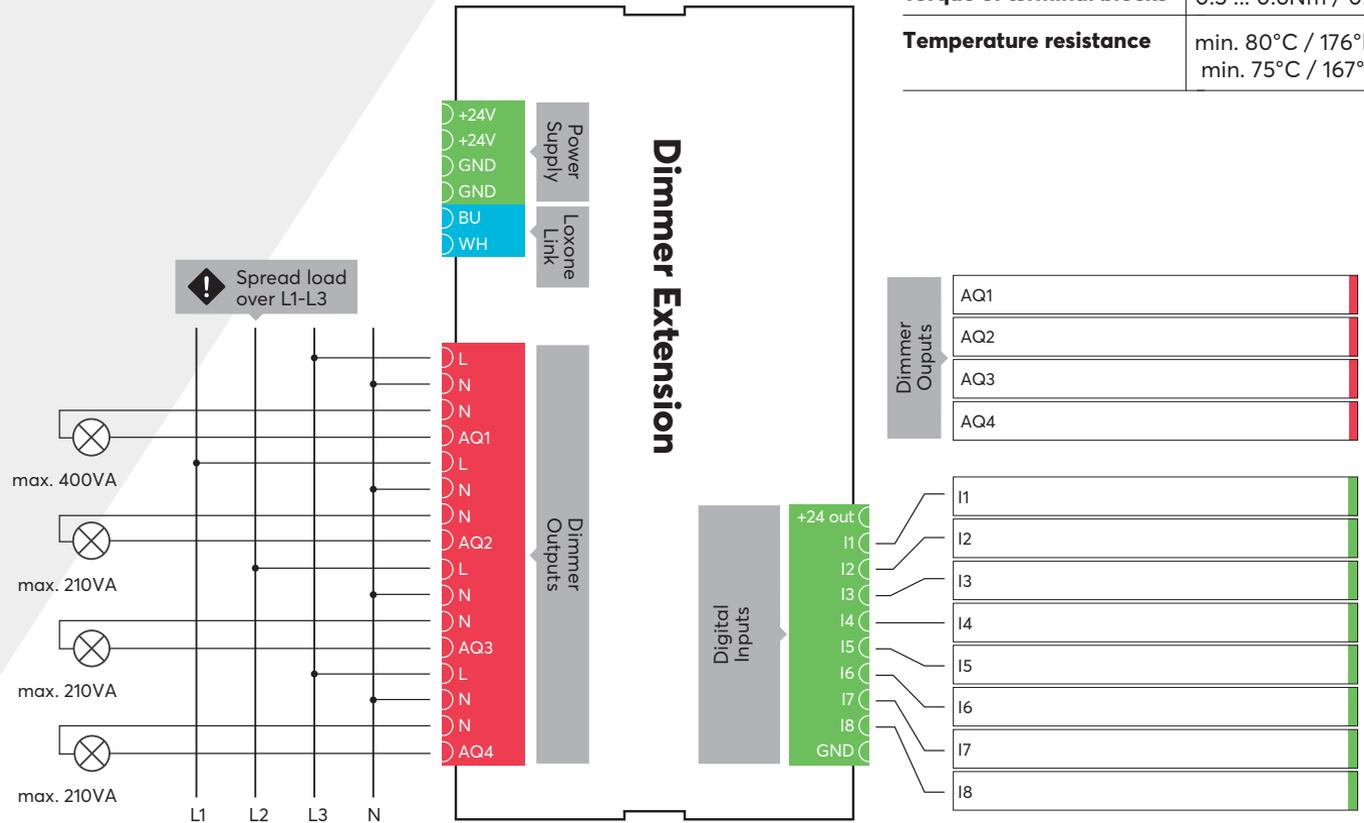
Protection against electrical contact and fire protection must be provided in the final installation by the use of a standards compliant/approved housing. To turn the unit on/off during installation and in case of failure, a separator (disconnecting device) must be present. These must be easily accessible 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

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



Connection

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