

Outputs

Dimmable (4)	Phase-cut (Leading/Trailing Edge) Supply voltage: 220 ... 240 V AC AQ1 - resistive load: 0 ... 400 W - capacitive load: 0 ... 200 VA - inductive load: 50 ... 400 VA AQ2, AQ3, AQ4 (per channel) - resistive load: 0 ... 210 W - capacitive load: 0 ... 105 VA - inductive load: 50 ... 210 VA
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Ambient Conditions

Temperature	-10 ... 50 °C / 14 ... 122 °F
Humidity	max. 95 % RH (non-condensing)
Ingress Protection	IP20

Connection Terminals

Wire cross-section	0.05 ... 2.5 mm² / AWG 30 ... 12
Stripping length	6 ... 7.5 mm / 0.24 ... 0.30"
Tightening torque	0.5 ... 0.6 N·m / 0.37 ... 0.44 lb·ft
Temperature resistance	min. 80 °C / 176 °F for IEC min. 75 °C / 167 °F for UL



Safety & Installation Instructions

Installation must be carried out by a qualified electrician in accordance with applicable regulations.

This device must be mounted on a DIN rail inside a standard electrical distribution housing.

Protection against electrical contact and fire must be ensured in the final installation by using a standards-compliant, approved housing.

A disconnecting device (separator) must be present to turn the unit on/off during installation or in case of failure. It must be easily accessible and visible.

The device is maintenance-free and must only be cleaned with a dry cloth.

If the unit is used in a manner not conforming to the manufacturer's specifications, the built-in safeguards may be impaired.

1. If multiple Dimmer Extensions are fitted above each other, maintain a minimum distance of 50 mm between rows.
2. For better heat dissipation, mount multiple Dimmer Extensions side by side rather than above each other.
3. Ensure free airflow around the Dimmer Extension.
4. Keep all ventilation slots clear.
5. Do not mount any other heat sources below the Dimmer Extension.



For more information
about this product, visit
loxone.com/help/dimmer-extension

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For additional information,
declaration of conformity, visit
www.loxone.com/datasheets

Need Help?
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V170726

Dimmer Extension

Part No.: 100029

LOXONE

About the product

The LOXONE Dimmer Extension provides 4 outputs for dimming high-voltage lamps, allowing you to control lighting and other non-safety-critical loads within your LOXONE system.

Features

- 4 dimmable outputs
- 8 digital inputs
- Universally applicable for ohmic, capacitive, and inductive loads
- DIN rail mounting

Electrical Specifications

Supply Voltage	18 ... 28 V DC
Power Consumption	typ. 0.33 W, max. 0.36 W
Power Loss at Max. Load	3.56 W

Interface

LOXONE Link	connection with Miniserver
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Inputs

Digital (8)	Logic 0: 0 ... 4.5 V DC Undefined: 4.5 ... 5 V DC Logic 1: 5 ... 24 V DC (Ri = 100 kOhm)
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Dimmer Outputs

