

Interfaces

LOXONE Air	868 MHz (SRD Band Europe), 4 channels, max. 15.1 mW e.r.p. 915 MHz (ISM Band Region 2), 10 channels, max. 13.2 mW internal antenna
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Ambient Conditions

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

DRY LOCATIONS ONLY • POUR EMPLACEMENTS SECS SEULEMENT •
CLASS 2 INPUT ONLY • ENTRÉE DE CLASSE 2 UNIQUEMENT

Information

Contains FCC ID: 2ARRV-000376

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.



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

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

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Need Help?
loxone.com/support



RGBW 24 V Compact Dimmer Air

Part No.: 100324

LOXONE

About the product

The LOXONE RGBW 24 V Compact Dimmer Air enables flexible control of low-voltage LED lighting. It can be used for RGB and RGBW color control as well as individual channel control for versatile lighting applications.

Features

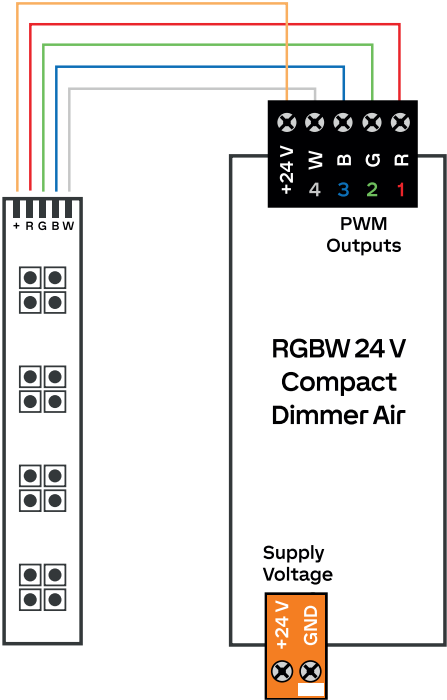
- 4 PWM outputs
- RGB, RGBW, or individual channel control
- Compact design for decentralized use
- Integrated strain relief

Electrical Specifications

Supply Voltage	12 ... 28 V DC
Power Consumption	typ. 0.066 W, max. 0.163 W
Power Loss at Max. Load	3 W
PWM Frequency	123 Hz

Outputs

PWM (4)	• max. 2.1 A per channel • 100 W at 12 V • 200 W at 24 V • max. wire length to LED: 30 m / 98 ft
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24 V DC & PWM Output Terminals

Wire cross-section	0.75 ... 2.5 mm² / AWG 18 ... 13
Stripping length	5 mm / 0.2"
Tightening torque	0.35 ... 0.4 N·m / 0.26 ... 0.3 lb·ft
Temperature resistance	min. 80 °C / 176 °F for IEC min. 75 °C / 167 °F for UL

 Safety Instructions

Installation must be carried out by a qualified electrician in accordance with applicable regulations, including electrical and fire safety requirements. If the device is not installed according to the manufacturer's guidelines, the protection provided by the device may be impaired. This device is maintenance-free and must only be cleaned with a dry cloth.

Commissioning

In the delivery state, the device automatically enters pairing mode when powered up. Pairing mode ends once the device has been successfully connected to the Miniserver or after the initial 10-minute pairing period has expired.