

Datasheet

Tree to Air Bridge

Part No: 100451



About the product

The Loxone Tree to Air Bridge is used to integrate various devices that are equipped with the Loxone Air wireless technology, or to extend the Loxone Air's signal range. It is connected via the Tree interface.

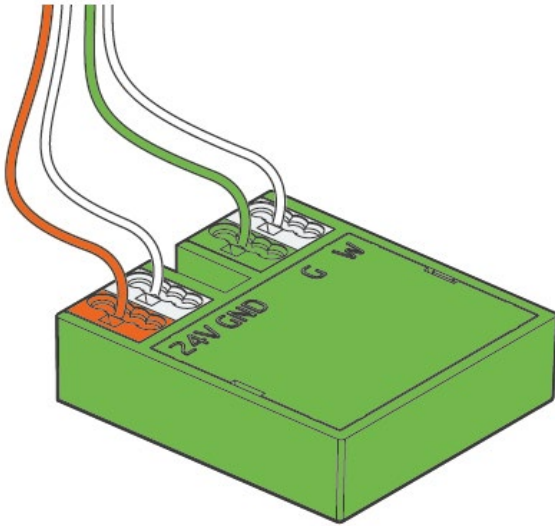
Electrical Data

| | |
|-------------------------|---|
| Power supply | 12 ... 28VDC |
| Power consumption | typ. 183mW, max. 250mW |
| Power loss at max. load | max. 250mW |
| Interfaces | <p>Loxone Tree: connection with Loxone Miniserver / Tree Extension</p> <p>Loxone Air: 868MHz (SRD Band Europe), 4 channels available max. Power 15.1mW e.r.p. 915MHz (ISM Band Region 2), 10 channels available max. Power 13.2mW</p> |
| Ambient temperature | -40 ... 70°C / -40 ... 158°F |
| Humidity | max. 95% r.H. (non condensing) |

Connections

| | |
|------------------------|--|
| Wire cross-section | 0.25 ... 0.8mm ² / AWG23 ... 18 |
| Stripping length | 5mm / 0.2" |
| Temperature resistance | -40 ... 105°C / -40 ... 221°F |
| Orange / White | + 24VDC / GND |
| Green / White | Loxone Tree |

Connection Diagram

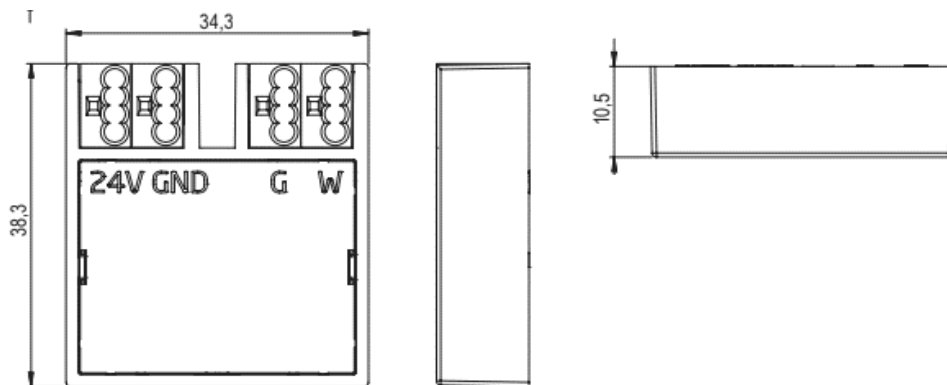


Product Characteristics

| | |
|---------|----------------|
| Colours | Green: RAL6018 |
| Finish | Matte |



Weight & Dimensions

| | |
|--------------------|--|
| Net weight | 63g |
| Total weight | 74g |
| Product dimensions | 38.3x34.3x10.5mm / 1.50x1.35x0.41" (LxWxH) |



| | |
|-----------|--------------------------------------|
| Pack size | 79x79x41mm / 3.11x3.11x1.61" (LxWxH) |
|-----------|--------------------------------------|

Certifications & Standards

| | |
|----------------|--|
| Safety rating | IP20 |
| | UL 62368-1 CSA C22.2#62368-1 |
| | RECOGNIZED COMPONENT |
| Certifications |   |

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

Published by
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Datenblatt

Tree to Air Bridge

Art. Nr. 100451



Information zum Produkt

Die Loxone Tree to Air Bridge ermöglicht das Einbinden zahlreicher Geräte, die mit der Loxone Air Funktechnologie ausgestattet sind, oder als Erweiterung der Funkabdeckung von Loxone Air. Die Anbindung erfolgt über die Tree Schnittstelle.

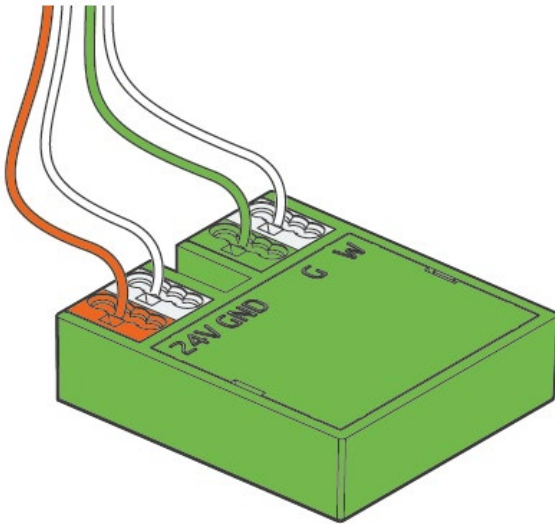
Elektrische Daten

| | |
|-------------------------------|--|
| Spannungsversorgung | 12 ... 28VDC |
| Leistungsaufnahme | typ. 183mW, max. 250mW |
| Verlustleistung bei max. Last | max. 250mW |
| Schnittstellen | Loxone Tree: Verbindung mit Loxone Miniserver / Tree Extension Loxone Air: 868MHz (SRD Band Europa), 4 Kanäle wählbar max. Sendeleistung 15.1mW e.r.p. 915MHz (ISM Band Region 2), 10 Kanäle wählbar max. Sendeleistung 13.2mW |
| Umgebungstemperatur | -40 ... 70°C / -40 ... 158°F |
| Luftfeuchtigkeit | max. 95% r.H. (nicht kondensierend) |

Anschlüsse

| | |
|-------------------------|--|
| Leiterquerschnitt | 0,25 ... 0,8mm ² / AWG23 ... 18 |
| Abisolierlänge | 5mm / 0,2" |
| Temperaturbeständigkeit | -40 ... 105°C / -40 ... 221°F |
| Orange / Weiß | + 24VDC / GND |
| Grün / Weiß | Loxone Tree |

Anschlussplan

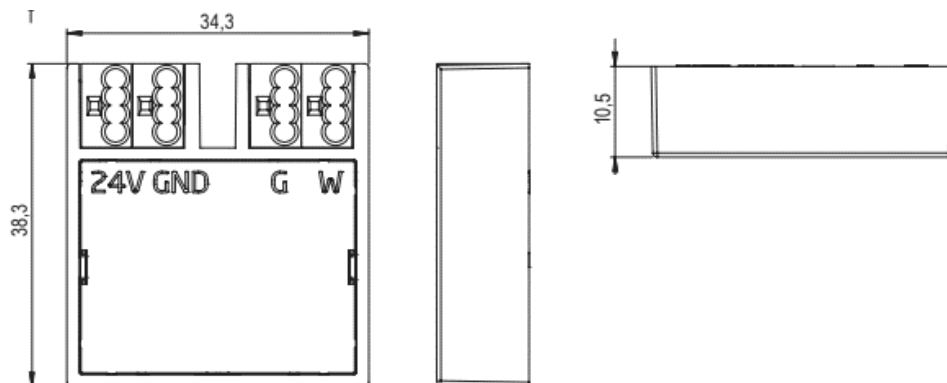


Produkteigenschaften

| | |
|-----------|---------------|
| Farbe | Grün: RAL6018 |
| Glanzgrad | Matt |

Gewicht & Abmessungen

| | |
|---------------|--|
| Nettogewicht | 63g |
| Bruttogewicht | 74g |
| Produktmaße | 38,3x34,3x10,5mm / 1,50x1,35x0,41" (LxBxH) |



| | |
|---------|--------------------------------------|
| Packmaß | 79x79x41mm / 3,11x3,11x1,61" (LxBxH) |
|---------|--------------------------------------|

Zertifizierungen & Standards

Schutzart

IP20

UL 62368-1

CSA C22.2#62368-1

RECOGNIZED
COMPONENT

Zertifizierungen



Die Installation muss nach den einschlägigen Vorschriften durch eine Elektrofachkraft erfolgen.

Veröffentlicht von
Loxone Electronics GmbH

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