

Datasheet

Room Comfort Sensor Air White

Part No: 100264



About the product

A must-have for smart room climate control: introducing the Room Climate Sensor. This device takes a precise measurement of temperature and humidity levels - passing this information to the brain of your system to ensure the optimal room climate is achieved around the clock.

- Measures precise temperature and humidity levels
- Choose between free-standing or wall-mounted
- Must-have for smart room climate control
- Developed specifically for use in a Loxone projects
- Installing and pairing in record time
- Timeless, simple design

Also available in Tree >>

Technical data

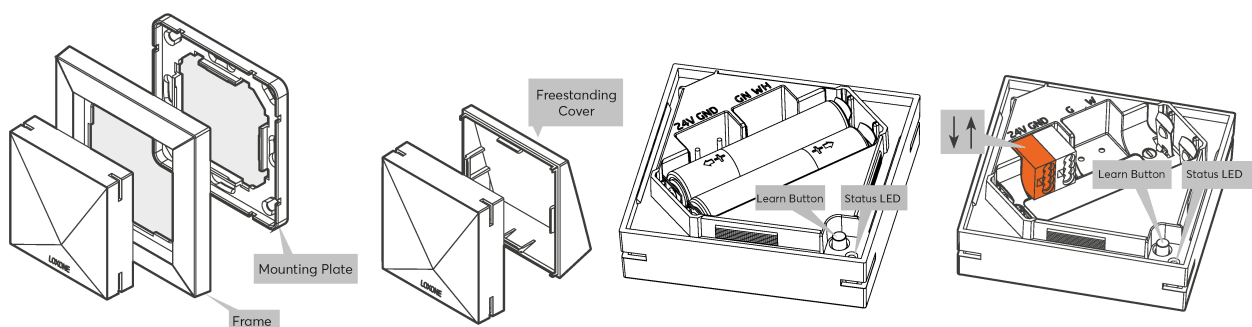
Power supply	9 ... 28VDC or 2x 1.5V AAA batteries
Power consumption	battery: typ. 0.02mW, max. 50mW external power supply: typ. 65mW, max. 85mW
Power loss	max. 85mW
Battery lifetime	up to 2 years
Interfaces	Loxone Air: 868MHz (SRD Band Europe), 4 channels available max. Power 15.1mW e.r.p. 915MHz (ISM Band Region 2), 10 channels available max. Power 13.2mW internal antenna
Ambient temperature	-20 ... 55°C / -4 ... 131°F
Humidity	max. 95% r.H. (non condensing)
Temperature detection range	-40 ... 125°C / -40 ... 257°F; +/- 0.5°C / 0.9°F
Humidity detection range	0 ... 100% r. H. +/- 2% (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
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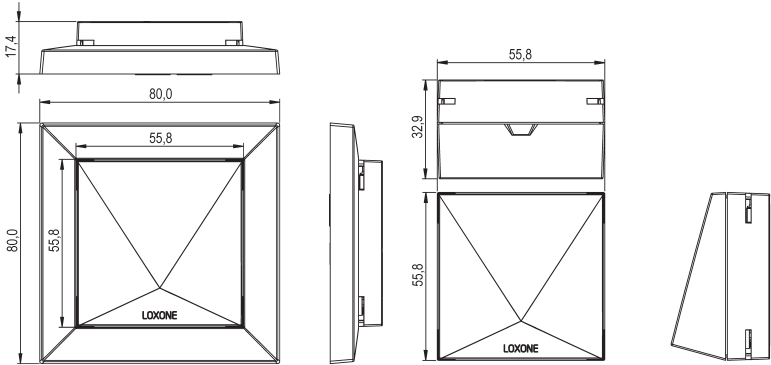
Connection diagram



Product features

Colours	Anthracite: RAL7016 - Part No. 100265 White: RAL9003 - Part No. 100264
Finish	Matte

Weight & dimensions

Net weight	46g
Total weight	142g
Product dimensions	80x80x17.4mm / 3.15x3.15x0.69" (LxWxH) with frame 55.8x55.8x32.9mm / 2.19x2.19x1.30" (LxWxH) freestanding
	 Technical drawing of the Loxone light fixture. The drawing includes three views: a top view, a side view, and a front view. The top view shows a square frame with a central square opening. The side view shows the profile of the fixture, and the front view shows the square opening with the Loxone logo. Dimensions are provided for each view: Top view: 80.0 mm (width), 80.0 mm (height), 55.8 mm (inner width), 55.8 mm (inner height). Side view: 17.4 mm (height). Front view: 55.8 mm (width), 55.8 mm (height), 32.9 mm (depth). The Loxone logo is visible in the center of the front view.
Pack size	194x122x22mm / 7.64x4.80x0.87" (LxWxH)

Certifications & Standards

Safety rating	IP20
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Installation must be carried out by a qualified electrician in accordance with the relevant regulations.

Datasheet **Raumklima Sensor Air Weiß** **(Temperatur, Feuchte)** Artikel Nr.: 100264



Über das Produkt

Das Must-have für optimales Raumklima in den eigenen vier Wänden: Der Raumklima Sensor. Misst präzise Temperatur sowie Feuchte – und gibt diese Info an das Smart Home weiter für perfektes Raumklima rund um die Uhr.

- misst präzise Temperatur und Feuchte
- Must-have für bestes Raumklima
- zu 100% für das Loxone Smart Home entwickelt
- Installation und Inbetriebnahme in Rekordzeit
- zeitloses, schlichtes Design

Technische Daten

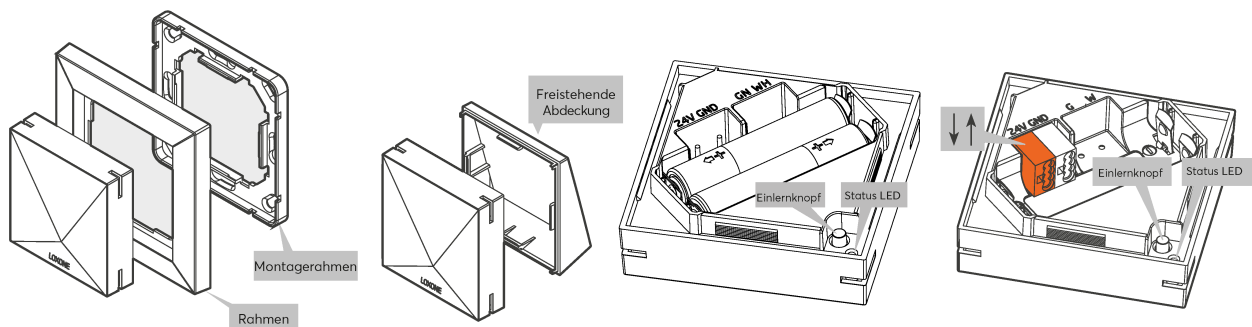
Spannungsversorgung	9 ... 28VDC oder 2x 1,5V AAA Batterien
Leistungsaufnahme	Batterie: typ. 0,02mW, max. 50mW externe Spannungsversorgung: typ. 65mW, max. 85mW
Leistungsverlust	max. 85mW
Batterie Lebensdauer	bis zu 2 Jahre
Schnittstellen	Loxone Air: 868MHz (SRD Band Europa), 4 Kanäle wählbar max. Sendeleistung 15,1mW e.r.p. 915MHz (ISM Band Region 2), 10 Kanäle wählbar max. Sendeleistung 13,2mW interne Antenne
Umgebungstemperatur	-20 ... 55°C / -4 ... 131°F
Luftfeuchtigkeit	max. 95% r.H. (nicht kondensierend)
Messbereich Temperatursensor	-40 ... 125°C / -40 ... 257°F; +/- 0,5°C / 0,9°F
Messbereich Luftfeuchtigkeitssensor	0 ... 100% r. H. +/- 2% (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
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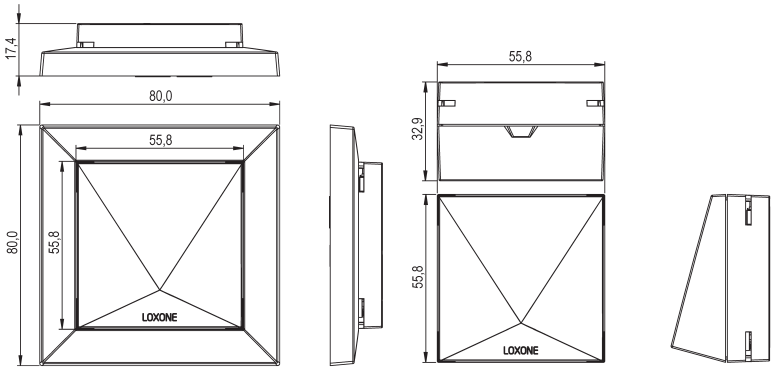
Anschlussplan



Produkteigenschaften

Farbe	Anthrazit: RAL7016 - Art. Nr. 100265 Weiß: RAL9003 - Art. Nr. 100264
Glanzgrad	Matt

Gewicht & Abmessungen

Nettogewicht	46g
Bruttogewicht	142g
Produktmaße	80x80x17,4mm / 3,15x3,15x0,69" (LxBxH) mit Rahmen 55,8x55,8x32,9mm / 2,19x2,19x1,30" (LxBxH) freistehend
	 The technical drawing illustrates the Loxone Smart Home 1 device from three perspectives. The front view shows a square frame with a central square cutout, with dimensions 80,0 mm for the outer side, 55,8 mm for the inner side, and 17,4 mm for the frame thickness. The side view shows the device's profile with a height of 32,9 mm. The top view shows the device's footprint with dimensions 55,8 mm by 55,8 mm. The brand name 'LOXONE' is visible on the front and top views.
Packmaß	194x122x22mm / 7,64x4,80x0,87" (LxBxH)

Zertifizierungen & Standards

Schutzart	IP20
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Die Installation muss nach den einschlägigen Vorschriften durch eine Elektrofachkraft erfolgen.

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