

## Interfaces

|            |                                                                                                                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOXONE Air | 868 MHz (SRD Band Europe),<br>4 channels, max. 15.1 mW e.r.p.<br>915 MHz (ISM Band Region 2),<br>10 channels, max. 13.2 mW<br>internal antenna                                                                                   |
| Wi-Fi      | connection to local Network<br>Wi-Fi 2.4 GHz: 802.11 b/g/n/ax<br>2 400 ... 2 483.5 MHz (max. 100 mW EIRP)<br><br>Wi-Fi 5 GHz: 802.11 n/ac/ax<br>5 150 ... 5 350 MHz (max. 200 mW EIRP)<br>5 470 ... 5 725 MHz (max. 200 mW EIRP) |

This device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range in: AT, BE, BG, CY, CZ, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, LI, NO, CH. The device is also restricted to indoor use in the United Kingdom.

## Measurement Range

|             |                                                    |
|-------------|----------------------------------------------------|
| Temperature | 10 ... 30 °C ± 0.5 °C / 50 ... 86 °F ± 0.9 °F      |
| Humidity    | 20 ... 80 % RH ± 2.5 % (non-condensing)            |
| CO2         | 400 ... 5 000 ppm<br>± (100 ppm + 10 % of reading) |

## Ambient Conditions

|                    |                               |
|--------------------|-------------------------------|
| Temperature        | -10 ... 45 °C / 14 ... 113 °F |
| Humidity           | max. 95 % RH (non-condensing) |
| Ingress Protection | IP20                          |



For more information  
about this product, visit  
[loxone.com/help/touch-pure-display-air](https://loxone.com/help/touch-pure-display-air)

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For additional information,  
declaration of conformity, visit  
[www.loxone.com/datasheets](https://www.loxone.com/datasheets)

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V010726



# Touch Pure Display CO2 Air

Part No.: 100890

# LOXONE

## About the product

LOXONE Touch Pure Display brings flexible, intuitive room control together in a single, elegant device. A human-centered touch interface adapts to your room and lets you control lighting, shading, audio and more with ease.

When not in use, it enters Rest Mode, allowing you to turn the display off completely or show essential room information such as temperature at a glance.

## Features

- Touch-based control for lighting, shading, audio & more
- Integrated temperature, humidity & CO2 sensors
- Designed for low-power, presence-based operation
- Customizable background colors to blend seamlessly into the wall
- Easy installation with LOXONE Air and Wi-Fi

For best performance and use of further functions it is necessary to connect to Wi-Fi.

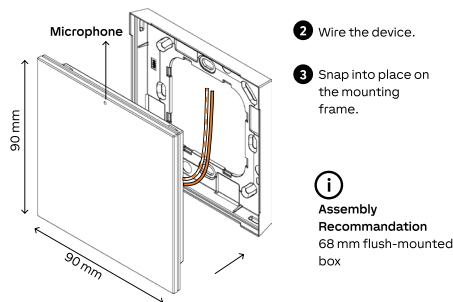
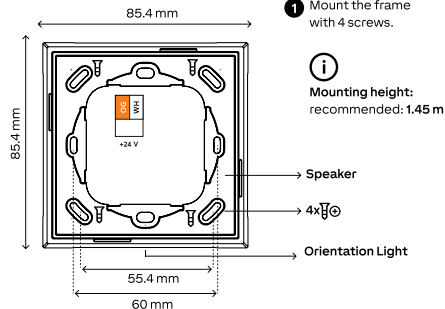
## Electrical Specifications

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Supply Voltage            | 18 ... 27 V DC                                                       |
| Power Consumption         | Eco Mode: 0.7 W<br>Maximum: 3 W                                      |
| Power Supply Requirements | ES1/PS2 acc. IEC/EN/UL 62368-1 or<br>SELV/LPS acc. IEC/EN/UL 60950-1 |

## Operating Elements

|                      |                            |
|----------------------|----------------------------|
| Touch Area           | capacitive touch detection |
| Backlight            | Yes, dimmable              |
| Ambient Light Sensor | Yes                        |

## Dimensions & Assembly



## 24 V DC Terminals

|                        |                                              |
|------------------------|----------------------------------------------|
| Wire cross-section     | 0.28 ... 0.8 mm <sup>2</sup> / AWG 23 ... 18 |
| Stripping length       | 5 ... 6 mm / 0.2 ... 0.24"                   |
| Temperature resistance | -40 ... 105 °C / -40 ... 221 °F              |

## Information

Contains FCC ID: 2ARRV-000400 and 2ARRV-000375

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.

Changes or modifications not expressly approved by Loxone could void the user's authority to operate the equipment.

## Declaration of conformity

Hereby, Loxone Electronics GmbH declares that the device Touch Pure Display CO2 Air is in compliance with Directive 2014/53/EU and 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.loxone.com/ce100890](http://www.loxone.com/ce100890)

## Safety Instructions

Installation must be carried out by a qualified electrician in accordance with the applicable regulations. This device is free of maintenance and must only be cleaned with a dry cloth.