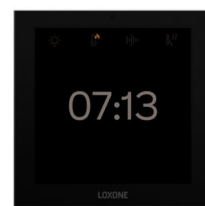


# Datasheet

## Touch Pure Display Air

Part No: 100888



### About the product

The LOXONE Touch Pure Display offers endless possibilities for controlling all features in a room or building. The interface can be flexibly customized to meet project requirements.

#### Features:

- Touch control for lighting, shading, audio, and more
- Integrated temperature and humidity sensors
- Designed for energy-efficient, occupancy-based operation
- Customizable color schemes that blend seamlessly with any interior or architectural concept
- Easy installation with LOXONE Air

### Electrical Specifications

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Supply voltage            | 18 ... 27 VDC                                                        |
| 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 |

## Interfaces

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOXONE Air | 868 MHz (SRD Band Europe), 4 channels, max. 15.1 mW e.r.p.<br>915 MHz (ISM Band Region 2), 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)<br><br>This device is restricted to indoor use only when operating in the<br>5 150 to 5 350 MHz frequency range in: AT, BE, BG, CY, CZ, DE, DK, EE,<br>EL, ES, FI, FR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS,<br>LI, NO, CH.<br><br>The device is also restricted to indoor use in the United Kingdom. |

## Operating Elements

|                      |                            |
|----------------------|----------------------------|
| Touch area           | capacitive touch detection |
| Backlight            | Yes, dimmable              |
| Ambient light sensor | Yes                        |

## Measurement Range

|             |                                               |
|-------------|-----------------------------------------------|
| Temperature | 10 ... 30 °C ± 0.5 °C / 50 ... 86 °F ± 0.9 °F |
| Humidity    | 20 ... 80 % RH ± 2.5 % (non-condensing)       |

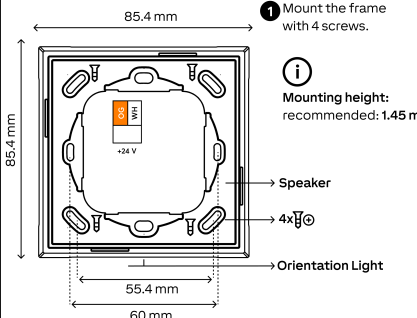
## Ambient Conditions

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

## Connection Terminals

|                        |                                              |
|------------------------|----------------------------------------------|
| Terminal type          | DG220B                                       |
| 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              |

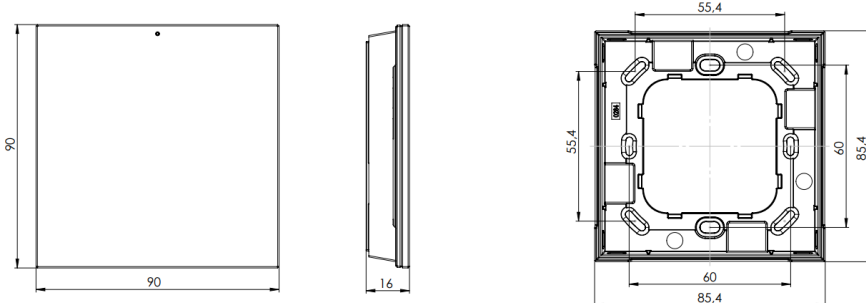
## Connection Diagram

|                    |                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection Diagram |  <p>1 Mount the frame with 4 screws.</p> <p>Mounting height: recommended: 1.45 m</p> <p>Speaker</p> <p>4x </p> <p>Orientation Light</p> <p>2 Wire the device.</p> <p>3 Snap into place on the mounting frame.</p> <p>Assembly Recommendation<br/>68 mm flush-mounted box</p> |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Product Characteristics

|         |                      |
|---------|----------------------|
| Colours | Anthracite: RAL 9005 |
| Finish  | Matte                |

## Weight & Dimensions

|                            |                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------|
| Net weight                 | 100 g                                                                                |
| Total weight               | 142 g                                                                                |
| Product dimensions         | 90 x 90 x 16 mm / 3.55 x 3.55 x 0.63" (L x W x H)                                    |
| Product dimensions drawing |  |
| Pack size                  | 104 x 107 x 39 mm / 4.09 x 4.21 x 1.54" (L x W x H)                                  |

## Certifications & Standards



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

### Published by

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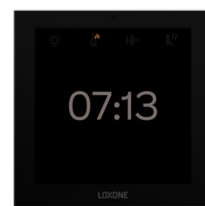
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# Datenblatt

## Touch Pure Display Air

Part No: 100888



### Über das Produkt

Das LOXONE Touch Pure Display bietet unendliche Möglichkeiten zur Steuerung aller Funktionen eines Raumes bzw. Gebäudes. Die Oberfläche lässt sich flexibel an die Projektbedürfnisse anpassen.

#### Funktionen:

- Touch-Steuerung für Licht, Beschattung, Audio und mehr
- Integrierte Temperatur- und Feuchtigkeitssensoren
- Für stromsparenden, präsenzbasierten Betrieb konzipiert
- Individuell anpassbare Farbgebungen, die sich jedem Interieur oder architektonischen Konzept anpassen
- Einfache Installation mit LOXONE Air

### Elektrische Spezifikationen

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Versorgungsspannung           | 18 ... 27 VDC                                                            |
| Leistungsaufnahme             | Eco-Modus: 0,7 W<br>Maximal: 3 W                                         |
| Stromversorgungsanforderungen | ES1/PS2 gemäß IEC/EN/UL 62368-1 oder<br>SELV/LPS gemäß IEC/EN/UL 60950-1 |

## Schnittstellen

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOXONE Air | 868 MHz (SRD Band Europa), 4 Kanäle, max. 15,1 mW e.r.p.<br>915 MHz (ISM Band Region 2), 10 Kanäle, max. 13,2 mW<br>interne Antenne                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| WLAN       | Verbindung zum lokalen Netzwerk<br>WLAN 2,4 GHz: 802.11 b/g/n/ax<br>2 400 ... 2 483,5 MHz (max. 100 mW EIRP)<br><br>WLAN 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)<br><br>Hinweis zur Nutzung:<br>Dieses Gerät darf im Frequenzbereich 5 150 bis 5 350 MHz in folgenden Ländern ausschließlich in Innenräumen betrieben werden:<br>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.<br>Auch im Vereinigten Königreich ist das Gerät nur für den Einsatz in Innenräumen vorgesehen. |

## Bedienelemente

|                        |                                |
|------------------------|--------------------------------|
| Tastbereich            | kapazitive Berührungserkennung |
| Hintergrundbeleuchtung | Ja, dimmbar                    |
| Umgebungslichtsensor   | Ja                             |

## Messbereich

|                  |                                                 |
|------------------|-------------------------------------------------|
| Temperatur       | 10 ... 30 °C ± 0,5 °C / 50 ... 86 °F ± 0,9 °F   |
| Luftfeuchtigkeit | 20 ... 80 % r. F. ± 2,5 % (nicht kondensierend) |

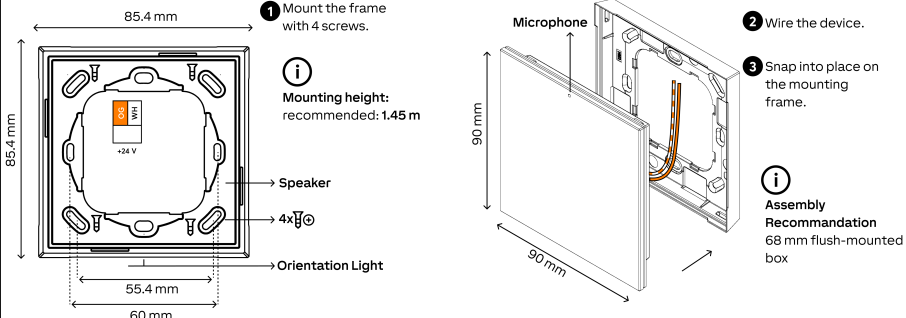
## Umgebungsbedingungen

|                  |                                       |
|------------------|---------------------------------------|
| Temperatur       | -10 ... 45 °C / 14 ... 113 °F         |
| Luftfeuchtigkeit | max. 95 % r. F. (nicht kondensierend) |
| Schutzart        | IP20                                  |

## Anschlussklemmen

|                         |                                              |
|-------------------------|----------------------------------------------|
| Klemmentyp              | DG220B                                       |
| Leiterquerschnitt       | 0,28 ... 0,8 mm <sup>2</sup> / AWG 23 ... 18 |
| Abisolierlänge          | 5 ... 6 mm / 0,2 ... 0,24"                   |
| Temperaturbeständigkeit | -40 ... 105 °C / -40 ... 221 °F              |

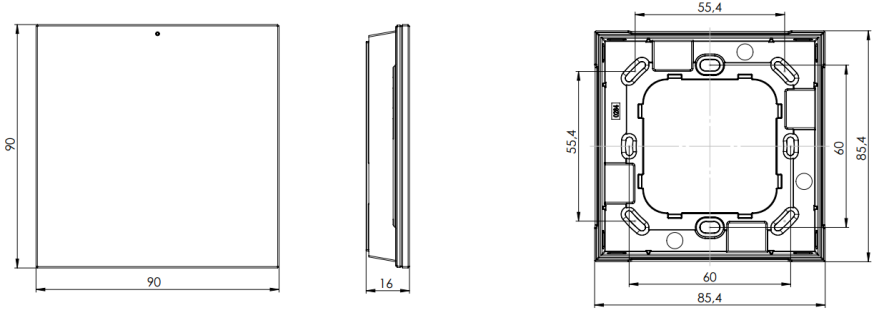
## Anschlussplan

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anschlussplan |  <p>85,4 mm</p> <p>85,4 mm</p> <p>55,4 mm</p> <p>60 mm</p> <p>1 Mount the frame with 4 screws.</p> <p>Mounting height: recommended: 1.45 m</p> <p>Speaker</p> <p>4x Ø</p> <p>Orientation Light</p> <p>Microphone</p> <p>90 mm</p> <p>90 mm</p> <p>2 Wire the device.</p> <p>3 Snap into place on the mounting frame.</p> <p>Assembly Recommendation<br/>68 mm flush-mounted box</p> |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Produkteigenschaften

|           |                     |
|-----------|---------------------|
| Farbe     | Anthrazit: RAL 9005 |
| Glanzgrad | Matt                |

## Gewicht & Abmessungen

|                     |                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nettogewicht        | 100 g                                                                                                                                                                        |
| Bruttogewicht       | 142 g                                                                                                                                                                        |
| Produktmaße         | 90 x 90 x 16 mm / 3,55 x 3,55 x 0,63" (L x B x H)                                                                                                                            |
| Produktmaßzeichnung |  <p>90</p> <p>90</p> <p>16</p> <p>55,4</p> <p>55,4</p> <p>60</p> <p>85,4</p> <p>85,4</p> |
| Packmaß             | 104 x 107 x 39 mm / 4,09 x 4,21 x 1,54" (L x B x H)                                                                                                                          |

## Zertifizierungen & Standards



Die Installation muss von einer qualifizierten Elektrofachkraft gemäß den einschlägigen Vorschriften durchgeführt werden.

### Veröffentlicht von

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