

# Datasheet

## Touch Pure Flex 24V

### Air Signal White

Part No: 100675



#### About the product

The Touch Pure Flex is your 100% personalized control device with up to **12 freely definable and positionable touch points**. Menus, values, texts and statuses can be displayed using the integrated **LED matrix display** and **3 status LEDs**.

An integrated sensor measures **temperature** and **relative humidity**. The **integrated lighting** makes the Touch Pure Flex perfect for operation in poor lighting conditions or darkness.

#### Electrical Specifications

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Supply voltage    | 9 ... 28 V DC                                     |
| Power consumption | Standby: 0.2 W,<br>max. 0.9 W at brightness 100 % |

#### 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 |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|

#### Operating Elements

|                |                                                        |
|----------------|--------------------------------------------------------|
| Touch area     | capacitive touch detection<br>up to 12/14 touch points |
| Click feedback | Yes                                                    |
| Backlight      | Yes                                                    |

#### Measurement Range

|             |                                                   |
|-------------|---------------------------------------------------|
| Temperature | -10 ... 125 °C ± 0.5 °C / -14 ... 257 °F ± 0.9 °F |
| Humidity    | 0 ... 100 % RH ± 2 % (non-condensing)             |

## Ambient Conditions

|                    |                               |
|--------------------|-------------------------------|
| Temperature        | -20 ... 40 °C / -4 ... 104 °F |
| Humidity           | max. 95 % RH (non-condensing) |
| Ingress protection | IP20                          |

## Installation specifications

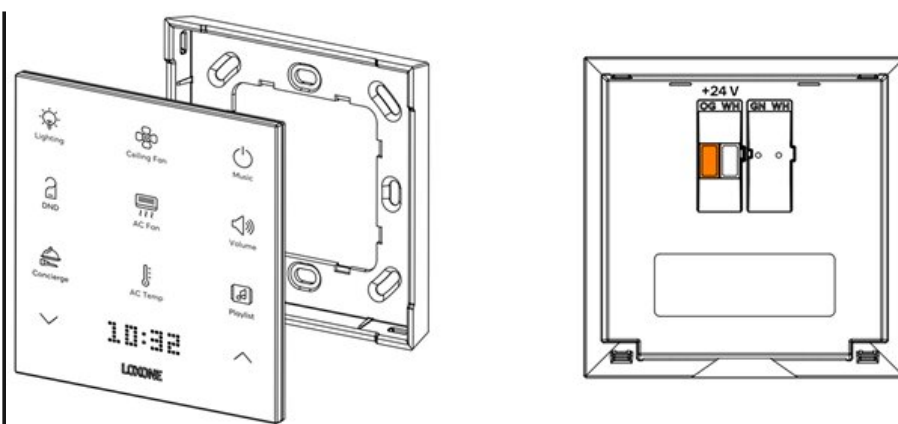
|                             |                 |
|-----------------------------|-----------------|
| Recommended mounting height | 135 cm / 53.15" |
|-----------------------------|-----------------|

## 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              |

## Connections

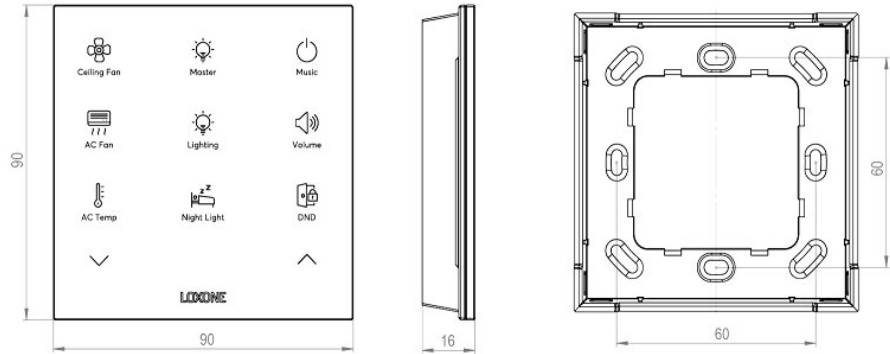
Connection Diagram



## Product Characteristics

|         |                 |
|---------|-----------------|
| Colours | White: RAL 9003 |
| Finish  | Matte           |

## Weight & Dimensions

|                            |                                                                                    |
|----------------------------|------------------------------------------------------------------------------------|
| Net weight                 | 102 g                                                                              |
| Total weight               | 167 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

|                |                                                                                                                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards      | <ul style="list-style-type: none"> <li>• IEC 62368-1:2018</li> <li>• UL 62368-1:2019 Ed. 3+R:22Oct2021</li> <li>• CSA C22.2 No. 62368-1:2019 Ed. 3+U1</li> <li>• SASO IEC 62368-1:2020</li> </ul> |
| Certifications |                                                                                                                |

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

## Published by

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# Datenblatt

## Touch Pure Flex 24V

### Air Signalweiß

Part No: 100675



#### Über das Produkt

Der Touch Pure Flex ist mit bis zu **12 frei definier- und positionierbaren Touchpunkten** dein 100% personalisiertes Bediengerät. Mit dem integrierten **LED Matrix Display**, sowie **3 Status LEDs** können Menüs, Werte, Texte und Stati ausgegeben werden.

Zur Messung von **Temperatur** und **relativer Luftfeuchte** ist ein Sensor integriert. Durch die **integrierte Beleuchtung** ist der Touch Pure Flex perfekt für die Bedienung in schlechten Lichtverhältnissen oder Finsternis geeignet.

#### Elektrische Spezifikationen

|                     |                                                    |
|---------------------|----------------------------------------------------|
| Versorgungsspannung | 9 ... 28 V DC                                      |
| Leistungsaufnahme   | Standby: 0,2 W,<br>max. 0,9 W bei Helligkeit 100 % |

#### 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 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|

#### Bedienelemente

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| Tastbereich            | kapazitive Berührungserkennung<br>bis zu 12/14 Tastpunkte |
| Klick Feedback         | Ja                                                        |
| Hintergrundbeleuchtung | Ja                                                        |

#### Messbereich

|                  |                                                   |
|------------------|---------------------------------------------------|
| Temperatur       | -10 ... 125 °C ± 0,5 °C / -14 ... 257 °F ± 0,9 °F |
| Luftfeuchtigkeit | 0 ... 100 % r. F. ± 2 % (nicht kondensierend)     |

## Umgebungsbedingungen

|                  |                                       |
|------------------|---------------------------------------|
| Temperatur       | -20 ... 40 °C / -4 ... 104 °F         |
| Luftfeuchtigkeit | max. 95 % r. F. (nicht kondensierend) |
| Schutzart        | IP20                                  |

## Installationsspezifikationen

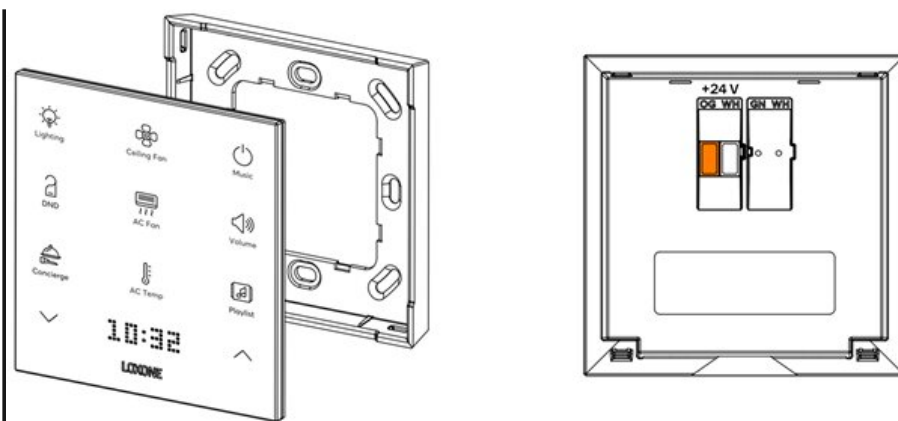
|                        |                 |
|------------------------|-----------------|
| Empfohlene Montagehöhe | 135 cm / 53,15" |
|------------------------|-----------------|

## 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              |

## Anschlüsse

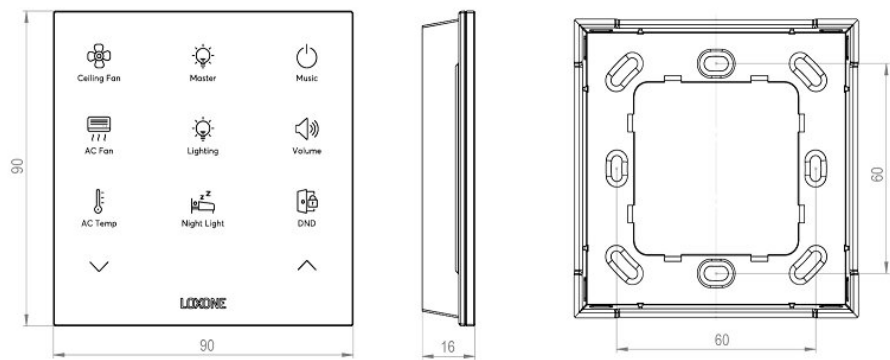
### Anschlussplan



## Produkteigenschaften

|           |                |
|-----------|----------------|
| Farbe     | Weiß: RAL 9003 |
| Glanzgrad | Matt           |

## Gewicht & Abmessungen

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nettogewicht        | 102 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Bruttogewicht       | 167 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Produktmaße         | 90 x 90 x 16 mm / 3,55 x 3,55 x 0,63" (L x B x H)                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Produktmaßzeichnung |  <p>The technical drawing includes three views of the device: a front view showing a 90x90 mm square face with 12 icons (Ceiling Fan, Master, Music, AC Fan, Lighting, Volume, AC Temp, Night Light, DND, and navigation arrows), a side view showing a 16 mm thickness, and a top view showing a 60x60 mm internal area with mounting holes. Dimensions are labeled in mm and inches.</p> |
| Packmaß             | 104 x 107 x 39 mm / 4,09 x 4,21 x 1,54" (L x B x H)                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Zertifizierungen & Standards

|                  |                                                                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Normen           | <ul style="list-style-type: none"> <li>• IEC 62368-1:2018</li> <li>• UL 62368-1:2019 Ed. 3+R:22Oct2021</li> <li>• CSA C22.2 Nr. 62368-1:2019 Ed. 3+U1</li> <li>• SASO IEC 62368-1:2020</li> </ul> |
| Zertifizierungen |  <p>The image shows three certification logos: CE, ETL Intertek, and CB.</p>                                   |

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

### Veröffentlicht von

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