

## Datasheet

### Touch Pure Classic CO2

### Tree Anthracite

Part No: 100518



### About the product

The Loxone Touch Pure CO2 Tree has **five touch points** on a glass front for operating the most important functions in a room. When a button is touched, a click is heard as **acoustic confirmation**. A sensor is integrated to measure **temperature, relative humidity and CO2 levels**. An **orientation light** enables the device to be recognized in the dark.

For the best user experience in your projects, we recommend: Switch to [the new Touch Pure](#) now. The revised design offers maximum user-friendliness and fits perfectly into modern interiors.

### Electrical Specifications

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| Supply voltage              | 9 ... 30 VDC                                                |
| Power consumption           | typ. 0.05 W, max. 0.1 W                                     |
| Power loss                  | max. 0.1W                                                   |
| Loxone Tree                 | Loxone Tree:<br>connection with Miniserver / Tree Extension |
| Touch points                | 5 touch points, capacitive touch detection                  |
| Click feedback              | Yes                                                         |
| Orientation light           | Yes                                                         |
| 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)                    |
| CO2 detection range         | 0 ... 40.000ppm                                             |
| Temperature                 | -20 ... 70°C / -4 ... 158°F                                 |
| Recommended mounting height | 135cm / 53.15"                                              |

### Functional Specifications

|                                |                                                               |
|--------------------------------|---------------------------------------------------------------|
| Calibrated CO2 detection range | 400 ... 2 000 ppm (± 50 ppm, + 5 % of reading)<br>NDIR Sensor |
|--------------------------------|---------------------------------------------------------------|

## Ambient Conditions

|             |                                  |
|-------------|----------------------------------|
| Humidity    | max. 95 % r. h. (non-condensing) |
| Temperature | -20 ... 70 °C / -4 ... 158 °F    |

## Connection Terminals

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

## Connections

|                        |                                            |
|------------------------|--------------------------------------------|
| Wire cross-section     | 0.28 ... 0.8mm <sup>2</sup> / AWG23 ... 18 |
| Stripping length       | 5 ... 6mm / 0.2 ... 0.24"                  |
| Temperature resistance | -40 ... 105°C / -40 ... 221°F              |

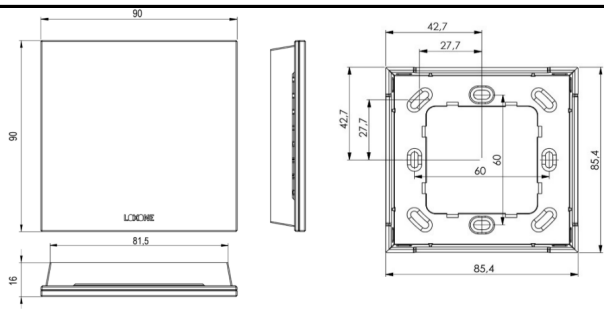
## Connection Diagram

|                    |  |
|--------------------|--|
| Connection Diagram |  |
|--------------------|--|

## Product Characteristics

|         |                                                                           |
|---------|---------------------------------------------------------------------------|
| Colours | White: RAL9003 - Part No. 100517<br>Anthracite: RAL7021 - Part No. 100518 |
| Finish  | Matte                                                                     |

## Weight & Dimensions

|                            |                                                                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Net weight                 | 110 g                                                                                                                                                                                                                                                                                                        |
| Total weight               | 136 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 |  <p>The drawing shows three views of the device: a front view (90x90 mm), a side view (16 mm thickness), and a top view (85.4x85.4 mm with internal features). Dimensions are provided in both millimeters and inches.</p> |
| Pack size                  | 104 x 107 x 39 mm / 4.09 x 4.21 x 1.54" (L x W x H)                                                                                                                                                                                                                                                          |

## Certifications & Standards

|                |                                                                                                                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety class   | IP30                                                                                                                                                                                                              |
| Certifications |  <p>The image shows the CE and UKCA certification marks, indicating compliance with European and United Kingdom standards.</p> |

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

## Published by

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## Datenblatt

### Touch Pure Classic CO2

### Tree Anthrazit

Part No: 100518



## Über das Produkt

Der Loxone Touch Pure CO2 Tree verfügt über **fünf Tastpunkte** auf einer Glasfront, zur Bedienung der wichtigsten Funktionen eines Raumes. Bei Berührung einer Taste erfolgt ein Klicken als **akustische Bestätigung**. Zur Messung von **Temperatur, relativer Luftfeuchte und CO2 Wert** ist ein Sensor integriert. Ein **Orientierungslicht** ermöglicht das Erkennen des Gerätes im Dunkeln. Für die beste Benutzererfahrung in Ihren Projekten empfehlen wir: Setzen Sie ab sofort auf [den neuen Touch Pure CO2](#). Das überarbeitete Design bietet maximale Nutzerfreundlichkeit und passt perfekt zu modernen Interieurs.

## Elektrische Spezifikationen

|                                        |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Versorgungsspannung                    | 9 ... 30 VDC                                               |
| Leistungsaufnahme                      | typ. 0,05 W, max. 0,1 W                                    |
| Verlustleistung                        | max. 0,1W                                                  |
| Loxone Tree                            | Loxone Tree:<br>Verbindung mit Miniserver / Tree Extension |
| Tastpunkte                             | 5 Tastpunkte, kapazitive Berührungserkennung               |
| Klick Feedback                         | Ja                                                         |
| Orientierungslicht                     | Ja                                                         |
| Messbereich Temperatursensor           | -40 ... 125°C / -40 ... 257°F; +/- 0.5°C / 0.9°F           |
| Messbereich<br>Luftfeuchtigkeitssensor | 0 ... 100% r.H. +/- 2%, (nicht kondensierend)              |
| CO2 Erfassungsbereich                  | 0 ... 40.000ppm                                            |
| Temperatur                             | -20 ... 70°C / -4 ... 158°F                                |
| Empfohlene Montagehöhe                 | 135cm / 53,15"                                             |

## Funktionale Spezifikationen

|                                          |                                                                       |
|------------------------------------------|-----------------------------------------------------------------------|
| Kalibrierter CO <sub>2</sub> Messbereich | 400 ... 2 000 ppm ( $\pm 50$ ppm, + 5 % des Messwerts)<br>NDIR Sensor |
|------------------------------------------|-----------------------------------------------------------------------|

## Umgebungsbedingungen

|                  |                                       |
|------------------|---------------------------------------|
| Luftfeuchtigkeit | max. 95 % r. F. (nicht kondensierend) |
| Temperatur       | -20 ... 70 °C / -4 ... 158 °F         |

## Anschlussklemmen

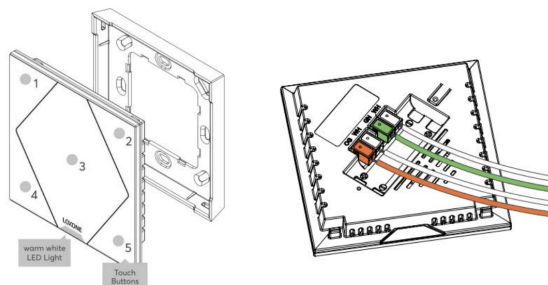
|            |        |
|------------|--------|
| Klemmentyp | DG220B |
|------------|--------|

## Anschlüsse

|                         |                                            |
|-------------------------|--------------------------------------------|
| Leiterquerschnitt       | 0,28 ... 0,8mm <sup>2</sup> / AWG23 ... 18 |
| Abisolierlänge          | 5 ... 6mm / 0,2 ... 0,24"                  |
| Temperaturbeständigkeit | -40 ... 105°C / -40 ... 221°F              |

## Anschlussplan

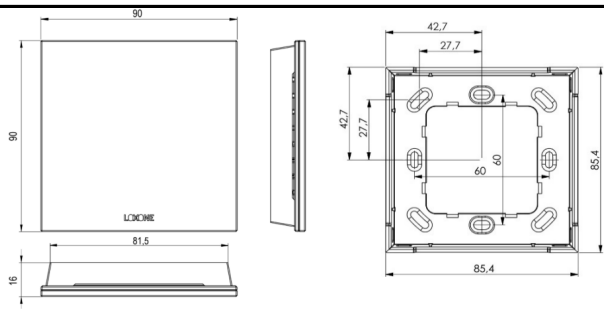
Anschlussplan



## Produkteigenschaften

|           |                                                                         |
|-----------|-------------------------------------------------------------------------|
| Farbe     | Weiß: RAL9003 - Part No. 100517<br>Anthrazit: RAL7021 - Part No. 100518 |
| Glanzgrad | Matt                                                                    |

## Gewicht & Abmessungen

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nettogewicht        | 110 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Bruttogewicht       | 136 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 consists of three views: a front view showing a square module with dimensions 90 mm width and 90 mm height, and a 16 mm thickness; a side view showing the 16 mm thickness; and a top view showing the internal layout with dimensions 85.4 mm for the outer square and 60 mm for the central square. Mounting holes are spaced at 27.7 mm from the edges.</p> |
| Packmaß             | 104 x 107 x 39 mm / 4.09 x 4.21 x 1.54" (L x W x H)                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Zertifizierungen & Standards

|                  |                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Schutzklasse     | IP30                                                                                                                                                                                                           |
| Zertifizierungen |  <p>The image shows two certification marks: the CE mark and the UKCA mark, both enclosed in rounded rectangular boxes.</p> |

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

### Veröffentlicht von

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