



## EnoPuck<sup>®</sup> CO2

## EnoPuck<sup>®</sup> CO2 NOISE

## EnoPuck<sup>®</sup> CO2 WALL

**EnOcean Sensor and RGB-LED for CO2 and  
sound pressure level measurement**

**EnOcean / 902 MHz / FCC**

Version 1.02

---

© 2022 DEUTA Controls GmbH

All rights reserved

This manual, including all figures and illustrations, is copyright-protected. Any further use of this manual by third parties that violate pertinent copyright provisions is prohibited. Reproduction, translation, electronic and phototechnical filing/archiving (e.g., photocopying) as well as any amendments require the written consent of DEUTA Controls GmbH, Bergisch Gladbach, Germany. Non-observance will involve the right to assert damage claims.

## DEUTA Controls GmbH

Paffrather Straße 140  
51465 Bergisch Gladbach  
Phone: +49 2202 28557-61  
Fax: +49 2202 28557-79  
E-Mail: [info@deuta-controls.de](mailto:info@deuta-controls.de)  
Web: [www.deuta-controls.net](http://www.deuta-controls.net)

Every conceivable measure has been taken to ensure the accuracy and completeness of this documentation. However, as errors can never be fully excluded, we always appreciate any information or suggestions for improving the documentation.

E-Mail: [info@deuta-controls.de](mailto:info@deuta-controls.de)

---

## Table of contents

1.1	About this manual .....	6
1.2	Notes about this Manual.....	6
1.3	Validity of this documentation.....	7
1.4	Symbols / Information on safety .....	8
2	Information on product safety .....	9
2.1	Intended use .....	9
2.2	Predictable incorrect application.....	10
2.3	Qualification of personnel.....	11
2.3.1	EnoPuck® CO2 / EnoPuck® CO2 NOISE.....	11
2.3.2	EnoPuck® CO2 WALL .....	11
3	Disposal .....	12
4	Device description .....	13
4.1	Functionality .....	13
4.2	Multi-Sensor with EnOcean interface .....	13
4.3	RGB-LED with local or remote control.....	13
4.4	Factory settings.....	14
4.5	External product interface .....	14
4.5.1	EnoPuck® CO2 / EnoPuck® CO2 NOISE.....	14
4.5.2	EnoPuck® CO2 WALL .....	15
4.6	Observe intended use .....	16
4.7	Observe statutory provisions for operating frequency range.....	16
4.8	Non-conduction mounting surface.....	16
5	Technical data.....	17
5.1	Communication / EnOcean wireless interface .....	17
5.2	Sensor: CO2 concentration .....	17
5.3	Sensor: Rel. humidity (RH).....	17
5.4	Sensor: Temperature .....	17
5.5	Sensor: Ambient light / brightness.....	18
5.6	Sensor: Sound pressure level (only EnoPuck® CO2 NOISE).....	18

---

5.7	Sensor: Motion / PIR .....	18
5.8	User interfaces .....	18
5.9	Housing / connection technology .....	18
5.10	Power supply .....	18
5.11	Environmental conditions .....	19
5.12	Dimensions and weight .....	19
5.13	Approvals .....	19
5.14	Standards and guidelines .....	19
6	Functional description in detail .....	20
6.1	Basic device description .....	20
6.2	Send Teach-In telegrams .....	20
6.2.1	CO2 Teach-In (A5-09-04) .....	20
6.2.2	PIR Teach-In (A5-07-01) .....	21
6.2.3	Brightness Teach-In (A5-08-01) .....	21
6.2.4	Sound Pressure Level Teach-In (D2-14-52) .....	21
6.3	Transmitting data .....	21
7	Service / CO2 sensor calibration .....	22
7.1	Re-calibration of EnoPuck® CO2 / EnoPuck® CO2 NOISE .....	22
7.2	Re-calibration of EnoPuck® CO2 WALL .....	23
7.2.1	Room with windows that can be opened .....	23
7.2.2	Room without windows that can be opened .....	24
8	Device labels .....	25
8.1	EnoPuck® CO2 / FCC (AL-602-01-092) / Part nr. 12562 .....	26
8.1.1	Device / certification data: .....	26
8.1.2	Label 1: .....	26
8.1.3	Label 2: .....	26
	0x0012345 .....	26
8.2	EnoPuck® CO2 NOISE / FCC (AL-602-02-902) / Part nr. 12563 .....	27
8.2.1	Device / certification data: .....	27
8.2.2	Label 1: .....	27
8.2.3	Label 2: .....	27

---

---

0x00012345 .....	27
8.3 EnoPuck® CO2 WALL / FCC (AL-602-04-902) / Part. Nr. 12564 .....	28
8.3.1 Device / certification data: .....	28
8.3.2 Label 1: .....	28
8.3.3 Label 2: .....	28
9 FCC (United States) Regulatory Statement .....	29
10 ISED (Canada) Regulatory Statements .....	29
11 Ordering information .....	30
12 Revision history .....	32

## 1.1 About this manual

This Manual describes the products

- EnoPuck® CO2 / FCC (AL-602-01-092) / Part nr. 12562
- EnoPuck® CO2 NOISE / FCC (AL-602-02-902) / Part nr. 12563
- EnoPuck® CO2 WALL / FCC (AL-602-04-902) / Part. Nr. 12564

(also referred to as "PRODUCT" in this document). These operating instructions are part of the product.

- You may only use the product if you have fully read and understood this manual.
- Verify that this manual is always accessible for any type of work performed on or with the product.
- Pass this manual as well as all other product-related documents to all owners of the product.
- If you feel that this manual errors, inconsistencies, ambiguities or other issues, contact the manufacturer prior to using the product.

This manual is protected by copyright and may only be used as provided for by the corresponding copyright legislation. We reserve the right to modifications. The manufacturer shall not be liable in any form whatsoever for direct or consequential damage resulting from failure to observe these operating instructions or from failure to comply with directives, regulations and standards and any other statutory requirements applicable at the installation site of the product.

## 1.2 Notes about this Manual

---



### Note

#### **Always retain this documentation!**

This documentation is part of the product. Therefore, retain the documentation during the entire service life of the product. Pass on the documentation to any subsequent user. In addition, ensure that any supplement to this documentation is included, if necessary.

---



## Note

### Technical terms in this documentation

The technical terms used in this documentation are available in the glossary at the end of the manual.

### 1.3 Validity of this documentation

This documentation applies to the following products:

- EnoPuck® CO2 / FCC (AL-602-01-092) / Part nr. 12562
- EnoPuck® CO2 NOISE / FCC (AL-602-02-902) / Part nr. 12563
- EnoPuck® CO2 WALL / FCC (AL-602-04-902) / Part. Nr. 12564

and is only applicable starting from products with FW/HW Version 1.0/1.1.

The device must only be installed and operated according to the instructions in this manual.

## 1.4 Symbols / Information on safety

The symbols in this is document and their meaning are as follows:

---

 **DANGER****Personal Injury!**

Indicates a high-risk, imminently hazardous situation which, if not avoided, will result in death or serious injury.

---



---

 **DANGER****Personal Injury Caused by Electric Current!**

Indicates a high-risk, imminently hazardous situation which, if not avoided, will result in death or serious injury.

---

---

 **WARNING****Personal Injury!**

Indicates a moderate-risk, potentially hazardous situation which, if not avoided, could result in death or serious injury.

---

---

 **CAUTION****Personal Injury!**

Indicates a low-risk, potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

---

---

**NOTICE****Damage to Property!**

Indicates a potentially hazardous situation which, if not avoided, may result in damage to property.

---



**NOTICE****Damage to Property caused by Electrostatic Discharge (ESD)!**

Indicates a potentially hazardous situation which, if not avoided, may result in damage to property.

**Note****Important Note!**

Indicates a potential malfunction which, if not avoided, however, will not result in damage to property.

**Information****Additional Information:**

Refers to additional information which is not an integral part of this documentation (e.g., the Internet).

## 2 Information on product safety

### 2.1 Intended use

The **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** can be used to measure CO<sub>2</sub> (Carbon Dioxide concentration), room temperature, rel. humidity, brightness and sound pressure level. At the same time, each EnoPuck® CO2 is pre-configured to signal the CO2 concentration by the internal RGB Leds.

The main difference between the devices is mounting and power supply:

- **EnoPuck® CO2 / EnoPuck® CO2 NOISE**  
External power supply 12 V DC for standard power outlet, desk version
  
- **EnoPuck® CO2 WALL**  
In-wall mounted power supply 12 V DC, with wall bracket

## 2.2 Predictable incorrect application

The products EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL must never be used in the following cases and for the following purposes:

---

### **DANGER**

#### **Personal Injury!**

Products must never be used solely or in conjunction with devices which are used for health-saving or life-saving purposes, or whose operation may incur hazards to humans, animals or property.

---

---

### **DANGER**

#### **Do not use in Hazardous area (EX)**

If the products are operated in hazardous areas, sparks may cause deflagrations, fires or explosions

---

---

### **NOTICE**

#### **Risk of electric defect due to high humidity**

Do not use the EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL in rooms that are subject to high humidity (such as bathrooms).

---

---

### **NOTICE**

#### **Risk of overheating!**

Do not position the EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL close to the floor or the ceiling, between shelves or behind curtains.

---

**⚠ CAUTION****Do not use for health-saving or life-saving purposes!**

In conjunction with devices which are used for health-saving or life-saving purposes or whose operation may incur hazards to humans, animals or property!

---

## 2.3 Qualification of personnel

### 2.3.1 EnoPuck® CO2 / EnoPuck® CO2 NOISE

These products are powered by an external power supply with +12 V DC. There is no special training necessary to use them.

---

**NOTICE****Replace defective or damaged devices!**

Replace defective or damaged devices, i.e products or power supplies (e.g., in the event of damaged housings or contacts).

---

### 2.3.2 EnoPuck® CO2 WALL

This product is powered by an in-wall mounted power supply. It has to be connected to line voltage. This has to be done by an authorized person only!

---

**⚠ DANGER****Do not work on devices while energized!**

Indicates a high-risk, imminently hazardous situation which, if not avoided, will result in death or serious injury.

---

### 3 Disposal



Electrical and electronic equipment may not be disposed of with household waste. This also applies to products without this symbol.

Electrical and electronic equipment contain materials and substances that can be harmful to the environment and health. Electrical and electronic equipment must be disposed of properly after use.

Note only for EU: WEEE 2012/19/EU applies throughout Europe. Directives and laws may vary nationally.

## 4 Device description

### 4.1 Functionality

The **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** is basically a multi sensor with integrated LEDs. Each sensor can be configured separately to be switched off, or to send the measured value in a fixed timed interval.

### 4.2 Multi-Sensor with EnOcean interface

The products **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** have the following functionality:

Function / property	EnoPuck® CO2	EnoPuck® CO2 WALL	EnoPuck® CO2 NOISE
CO2 concentration [ppm]	Yes	Yes	Yes
Temperature [°C]	Yes	Yes	Yes
Rel. humidity [%]	Yes	Yes	Yes
Brightness [lux]	Yes	Yes	Yes
PIR / Vibration [0/1]	Yes	Yes	Yes
Sound pressure level [dBSPL]	-	-	Yes
Connection socket for external power supply	Yes	-	Yes
15 cm power cord with power connector for in-wall power supply	-	Yes	-
Internal RGB LEDs (19)	Yes	Yes	Yes

Table 1: Product functions

### 4.3 RGB-LED with local or remote control

The device has 19 RGB LED's, that can be dimmed in 254 steps each. In this way, more or less any color can be setup at any brightness.

## 4.4 Factory settings

The basic configuration of an **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** is actually as follows:

EnoPuck® Color	Level R/red [%]	Level green/G [%]	Level blue/B [%]
Green	0	4	0
Yellow	10	7	0
Orange	6	1	0

EnoPuck® Sensor	Enabled	Transmit interval
CO2 / Temp. / RH		
PIR (see Note 1)		
Brightness		
Sound Pressure Level		

Note 1): **Auto-Off / Energy saving**

At the same time, the EnoPuck's PIR is activated. If nobody has been detected by the PIR for more than 20 minutes, LEDs will turn off.

## 4.5 External product interface

### 4.5.1 EnoPuck® CO2 / EnoPuck® CO2 NOISE

The products have the following external interfaces:

- Passive infrared sensor for people detection (front)
- Service button to send teach in / learn telegram and to start re-calibration
- Connection socket for external power supply

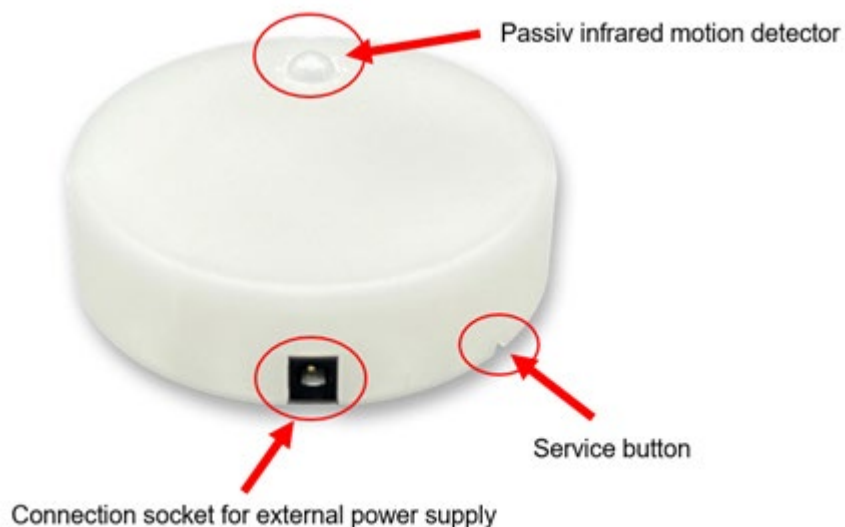


Figure 1: External interfaces EnoPuck® CO2 / CO2 NOISE

## 4.5.2 EnoPuck® CO2 WALL

The product has the following external nterface:

- Passive infrared sensor for people detection (front)
- Service button to send teach in / learn telegram and to start re-calibration
- Two mouting knobs on the backside to attach to a wall-mount bracket
- 15 cm power cord with power connector for in-wall power supply



Figure 2: External interfaces EnoPuck® WALL

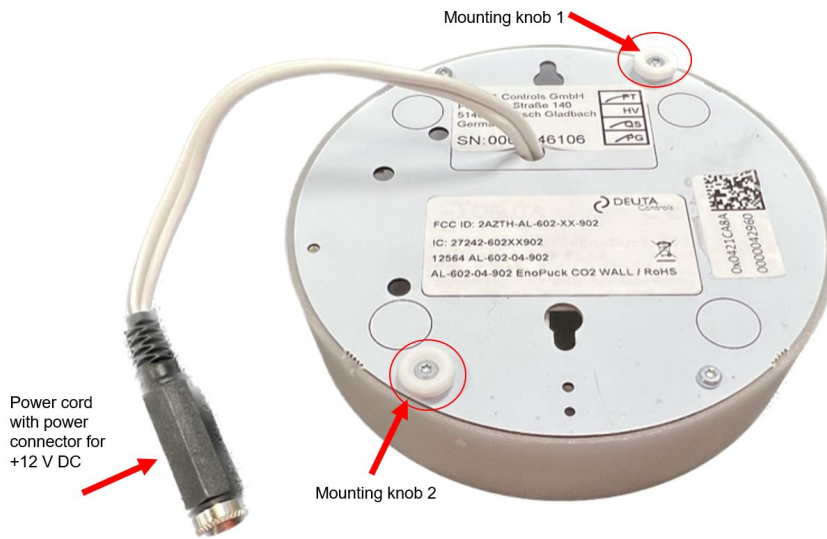


Figure 3: External power connection and mounting knobs EnoPuck® FCC WALL

#### 4.6 Observe intended use

The **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** must not be used in any relation with equipment that supports, directly or indirectly, human health or life or with applications that can result in danger for people, animals or real value.

#### 4.7 Observe statutory provisions for operating frequency range.

The **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** must only be operated in compliance with the country-specific provisions regarding operation of radio equipment.

#### 4.8 Non-conduction mounting surface

A non-conductive mounting surface is necessary.

Ensure the **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** is mounted on a non-conductive surface. If it is not, performance may be adversely affected.



## 5 Technical data

### 5.1 Communication / EnOcean wireless interface

Type	EnOcean
Number	1
Transmit / receive center frequency	902.875 MHz
Maximum transmission power	+94 dBμV/m

Table 2: Technical data / communication

### 5.2 Sensor: CO2 concentration

Measuring range	0 .. 2.550 ppm (with MSC instead of standard EEP up to 10.000 ppm, on request)
Accuracy	± 30 ppm + 3% MV (@ 25 °C, range 400 – 2.550 ppm)
Repeatability	10 ppm
Temperature stab.	2,5 ppm / °C
Response time	Typ. 25 s

Table 3: Technical data CO2

### 5.3 Sensor: Rel. humidity (RH)

Measuring range	0 – 100 %
accuracy	± 2 %
Repeatability	0,1 %
Response time	Typ. 8 s

Table 4: Technical data RH

### 5.4 Sensor: Temperature

Measuring range	- 40 – 120 °C
Accuracy	± 0,5 °C
Repeatability	0,1 °C

Response time	Typ. 2 s
---------------	----------

Table 5: Technical data temperature

## 5.5 Sensor: Ambient light / brightness

Measuring range	0 – 64.000 lux
Accuracy	± 10 %

Table 6: Technical data ambient light sensor

## 5.6 Sensor: Sound pressure level (only EnoPuck® CO2 NOISE)

Measuring range	-30 .. -80 dBSPL
Accuracy	± 10 %

Table 7: Technical data sound pressure level

## 5.7 Sensor: Motion / PIR

Detection angle	120 degrees
Detection range	0.5 – 2 m

Table 8: Technical data / PIR sensor

## 5.8 User interfaces

Service button	Yes
Service LED	-

Table 9: Technical data / user interfaces

## 5.9 Housing / connection technology

Connection technology	-
Housing	Plastic, PC, white / opaque

Table 10: Technical data / housing

## 5.10 Power supply

Power supply voltage	+12 V DC
----------------------	----------

Power consumption	Typ. 1.5 W, ma. 5 W (depends on LED configuration)
-------------------	--

Table 11: Technical data / power supply

### 5.11 Environmental conditions

Operating temp.	0°.. 50 °C
Storage temp.	-20 ..+70 °C
Rel. humidity	0..95 % rel. humidity, non condensing
Protection class	IP20

Table 12: Technical data / environmental conditions

### 5.12 Dimensions and weight

Weight	150 g
Dimensions	100 x 28 mm

Table 13: Technical data / dimensions and weight

### 5.13 Approvals

FCC Rule parts	15.249
ISED/IC (Canada)	Yes / Passed

Table 14: Technical data / tests and approvals

### 5.14 Standards and guidelines

EMC	EN IEC 61000-6-2 :2016 EN IEC 61000-3-2 :2019 EN 61000-3-3 :2013 EN 55032 :2012/AC :2013
-----	---

Table 15: Technical data / standards and guidelines

## 6 Functional description in detail

### 6.1 Basic device description

The **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** is basically a multi sensor with integrated LEDs. Each sensor can be configured to be switched off, or to send the measured value in a fixed timed interval.

### 6.2 Send Teach-In telegrams

To be able to use standardized EEP (EnOcean Equipment Profiles), the **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** can send all data in a sequence, using different ID's and different EEP's.

To connect to any building automation system, a so called Teach-In telegram will be send by the device using the Service button.

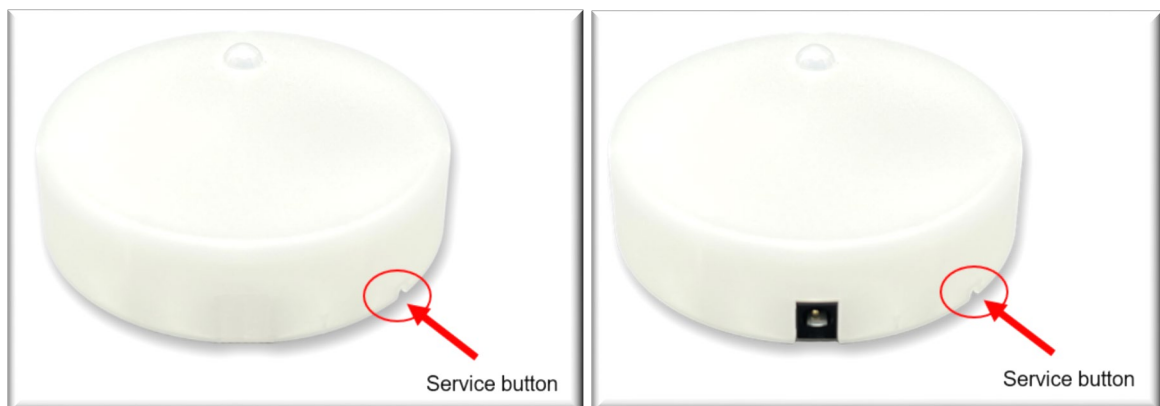


Figure 4: Location of Service buttons

The button is located on the side, approx. 3 cm to the right of the socket for the plug-in power supply, and can be operated with a paper clip.

#### 6.2.1 CO2 Teach-In (A5-09-04)

If the button is pressed **1x briefly within 2 seconds**, a learning telegram for the EEP A5-09-04 is sent after the 2 seconds have elapsed.

### 6.2.2 PIR Teach-In (A5-07-01)

If the button is pressed **2x briefly within 2 seconds**, a learning telegram for the EEP A5-07-01 is sent after the 2 seconds have elapsed.

### 6.2.3 Brightness Teach-In (A5-08-01)

If the button is pressed **3x briefly within 2 seconds**, a learning telegram for the EEP A5-08-01 is sent after the 2 seconds have elapsed.

### 6.2.4 Sound Pressure Level Teach-In (D2-14-52)

If the button is pressed **4x briefly within 2 seconds**, a learning telegram for the EEP A5-08-01 is sent after the 2 seconds have elapsed.

## 6.3 Transmitting data

The EnOcean wireless standard defines so called EnOcean Equipment Profiles (EEP). Each EnOcean based product sends and receives data according to at least one standardized data format. The **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** transmits data described as follows:

Nr.	EEP	Description	Tx-ID
1	A5-09-04	CO2-Sensor (Humidity, CO2, temperature)	Base-ID + <b>100</b> (dec.)
2	A5-07-01	Occupancy sensor with supply voltage monitor (PIR, Vibration)	Base-ID + <b>101</b> (dec.)
3	A5-08-01	Brightness	Base-ID + <b>102</b> (dec.)
4	D2-14-52	Sound Pressure Level	Base-ID + <b>103</b> (dec.)

Table 16: Technical data / EnOcean EEP for TX

---

## 7 Service / CO2 sensor calibration

---

### NOTICE

**Do not open the housing / no serviceable parts inside**

There are no serviceable parts inside the product. Do not open the housing. Otherwise warranty will be void, and electronic components might be damaged.

---

If the **EnoPuck® CO2 / EnoPuck® CO2 NOISE / EnoPuck® CO2 WALL** has been exposed to mechanical stress such as impact, strong vibration or a fall, the measurement of the CO2 value may no longer be correct.

### 7.1 Re-calibration of EnoPuck® CO2 / EnoPuck® CO2 NOISE

Due to several reasons, the devices have no auto-calibration feature enabled.

To recalibrate them manually, please proceed as follows:

1. Find a suitable location where the **EnoPuck® CO2 / EnoPuck® CO2 NOISE** can measure CO2 outside air (no drafts). Make sure that the device is never exposed to moisture or rain.
2. Supply the device via the external +12 V DC power supply. Do not disconnect the power supply until the end of the process.



3. Press and hold the Service button.

4. After **2 seconds** the LED's will start flashing red. This signals that calibration will be carried out if you continue to hold the Service Button. If you release the Service button now, the process will be canceled.

4. After **6 seconds** the LEDs will start to flash blue. The calibration process starts and will take 10 minutes. You can now release the button now.

5. Wait until the process is finished. The purpose of the waiting time is to create the same CO2 concentration inside the housing as in the outside air. At the end of the time, the value then measured is used as the reference value of 400 ppm. This is the typical CO2 concentration in the outside air.

6. As soon as the calibration has been successfully completed, the **EnoPuck® CO2 / EnoPuck® CO2 NOISE L** lights up green continuously.

7. Disconnect the device from the power supply. After the restart, the **EnoPuck® CO2 / EnoPuck® CO2 NOISE** is ready for operation again.

8. In the event of an error, it lights up red continuously. Please disconnect the **EnoPuck® CO2 / EnoPuck® CO2 NOISE** from the power supply and repeat the calibration process again.



### Note

#### **Avoid mechanical impact after re-clibration!**

Any mechanical stress between calibration and finally mounting of the **EnoPuck® CO2 / EnoPuck® CO2 NOISE** might again influence calibration.

---

## 7.2 Re-calibration of EnoPuck® CO2 WALL

### 7.2.1 Room with windows that can be opened

If you can open windows in the room where the **EnoPuck® CO2 WALL** is mounted, open the window for at least 15 minutes, so the air inside the room will have the same CO2 concentration as the air outside.

The start calibration process as described above. You can leave the **EnoPuck® CO2 WALL** mounted to the wall. Push the service button while it is mounted on the wall-bracket.

---



Figure 5: Service button of EnoPuck® CO2 WALL

## 7.2.2 Room without windows that can be opened

If you can not open the windows of the room where the **EnoPuck® CO2 WALL** is mounted, or there are simply no windows in the room, you have to go somewhere where you can open the windows to have fresh air for calibration procedure.



 **DANGER**

**The in-wall power supply is line powered!**

De-energize the in-wall power supply before to dismantle the **EnoPuck® CO2 WALL**.

Dismount the **EnoPuck® CO2 WALL** from the bracket, and then disconnect the 12 V DC power plug in between the EnoPuck CO2 WALL and the in-wall power supply.

To be able to re-calibrate, you will need an external power supply with the correct power connector (round, 2.1 x 5.5 mm, male).

The process for re-calibration ist the same as described above.

After re-calibration, connect the power plug again, and re-mount the EnoPuck CO2 WALL to the wall-mount bracket.





### Note

**Avoid mechanical impact after re-clibration!**

Any mechanical stress between calibration and finally mounting of the **EnoPuck® CO2 WALL** might again influence calibration.

---

Finally. power up the in-wall power supply. The **EnoPuck CO2 WALL** should re-start immediately.

## 8 Device labels

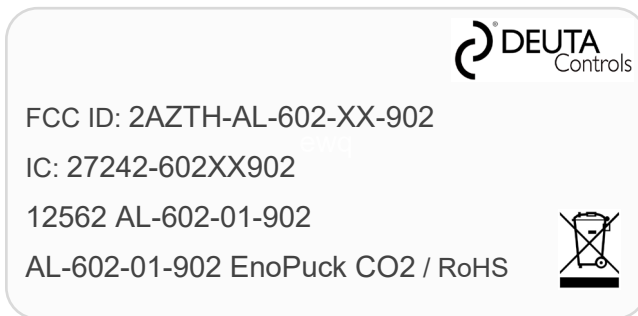
The following labels are placed on the bottom side of the devices:

**8.1 EnoPuck® CO2 / FCC (AL-602-01-092) / Part nr. 12562**

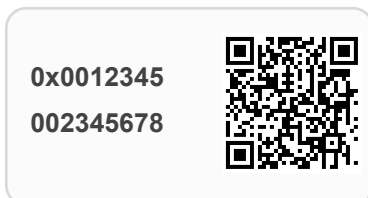
**8.1.1 Device / certification data:**

Model name: *	AL-602-01-902 EnoPuck CO2 / FCC
Order number: *	12562
FCC ID: *	2AZTH-AL-602-XX-902
IC certification number: *	27242-602XX902
PMN: *	12562 AL-602-01-902
HVIN: *	12562 AL-602-01-902
FVIN: *	1.0

**8.1.2 Label 1:**



**8.1.3 Label 2:**



Label 2, Line 2: Serial number

Label 2, Line 1: BASE ID

QR-Code: <EURID>+<Product ID>+<Ordering Code>+<Serial Number>+<BASE ID>

## 8.2 EnoPuck® CO2 NOISE / FCC (AL-602-02-902) / Part nr. 12563

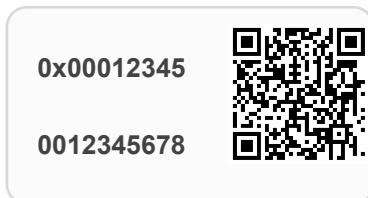
### 8.2.1 Device / certification data:

Model name: *	AL-602-02-902 EnoPuck CO2 NOISE / FCC
Order number: *	12563
FCC ID: *	2AZTH-AL-602-XX-902
IC certification number: *	27242-602XX902
PMN: *	12563 AL-602-02-902
HVIN: *	12563 AL-602-02-902
FVIN: *	1.0

### 8.2.2 Label 1:



### 8.2.3 Label 2:



Label 2, Line 2: Serial number

Label 2, Line 1: BASE ID

QR-Code: <EURID>+<Product ID>+<Ordering Code>+<Serial Number>+<BASE ID>

### 8.3 EnoPuck® CO2 WALL / FCC (AL-602-04-902) / Part. Nr. 12564

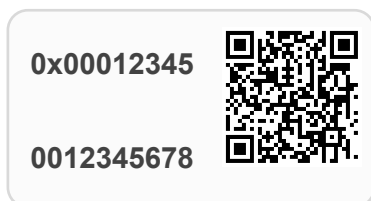
#### 8.3.1 Device / certification data:

Model name: *	AL-602-04-902 EnoPuck WALL / FCC
Order number: *	12564
FCC ID: *	2AZTH-AL-602-XX-902
IC certification number: *	27242-602XX902
PMN: *	12564 AL-602-04-902
HVIN: *	12564 AL-602-04-902
FVIN: *	1.0

#### 8.3.2 Label 1:



#### 8.3.3 Label 2:



Label 2, Line 1+2: Serial number

Label 2, Line 3+4: BASE ID

QR-Code: <EURID>+<Product ID>+<Ordering Code>+<Serial Number>+<BASE ID>

## 9 FCC (United States) Regulatory Statement

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, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## 10 ISED (Canada) Regulatory Statements

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## 11 Ordering information

Part name	Part nr.	Description
<b>AL-602-01-902 EnoPuck CO2 / FCC</b>	12562	CO2 traffic light, RGB-LED, EnOcean 902 MHz / FCC; Desk version; Multi-sensor for CO2, humidity, temperature, vibration, PIR; Supply voltage 12 V DC (+/-%), dimensions 100 x 28 mm, PC white opaque; incl. plug power supply 12 V DC;
<b>AL-602-02-902 EnoPuck CO2 NOISE / FCC</b>	12563	CO2 traffic light, RGB-LED, EnOcean 902 MHz / FCC; Desk Version; Multi-sensor for Sound Pressure Level, CO2, humidity, temperature, vibration, PIR; Supply voltage 12 V DC (+/-%), dimensions 100 x 28 mm, PC white opaque; incl. plug power supply 12 V DC;
<b>AL-602-04-902 EnoPuck CO2 WALL / FCC</b>	12564	CO2 traffic light, RGB-LED, EnOcean 902 MHz / FCC; Wall-mount version; Multi-sensor for CO2, humidity, temperature, vibration, PIR; Supply voltage 12 V DC (+/-%), dimensions 100 x 28 mm, PC white opaque; incl. in-wall power supply 12 V DC and wall-mount bracket;

---

## List of tables

Table 1: Product functions .....	13
Table 2: Technical data / communication .....	17
Table 3: Technical data CO2 .....	17
Table 4: Technical data RH .....	17
Table 5: Technical data temperature .....	18
Table 6: Technical data ambient light sensor.....	18
Table 7: Technical data sound pressure level.....	18
Table 8: Technical data / PIR sensor.....	18
Table 9: Technical data / user interfaces .....	18
Table 10: Technical data / housing .....	18
Table 11: Technical data / power supply .....	19
Table 12: Technical data / environmental conditions .....	19
Table 13: Technical data / dimensions and weight .....	19
Table 14: Technical data / tests and approvals.....	19
Table 15: Technical data / standards and guidelines .....	19
Table 16: Technical data / EnOcean EEP for TX.....	21

## 12 Revision history

Version	Author	Reviewer	Date	Major changes
1.00	Lehzen	Pohl	4.11.2022	Initial release
1.01	Lehzen	Pohl	21.11.2022	Changed FCC/IC device data and device label contents (chapter 8)
1.02	Lehzen	Pohl	23.11.2022	<ul style="list-style-type: none"> <li>- Changed / updated pictures and contents of product labels (HVIN/PMN)</li> <li>- Changed transmission power to +94 dBµV/m on page 17</li> <li>- Added ISED/IC passed on page 17</li> </ul>

----- End of document -----