

# Instruction Manual

## 1. Marking

Base Station IDM-Z1-x61-B-J1-BT-N0
Equipment protection level Gb ATEX certificate: IBExU 18 ATEX 1050 ATEX marking: Ⓜ II 2G Ex ib IIB T4 Gb IECEX certificate: IECEX IBE 18.0009 IECEX marking: Ex ib IIC T4 Gb
Equipment protection level Db ATEX certificate: IBExU 18 ATEX 1050 ATEX marking: Ⓜ II 2D Ex ib IIIC T135°C Db IECEX certificate: IECEX IBE 18.0009 IECEX marking: Ex ib IIIC T135°C Db
Pepperl+Fuchs Group Lilienthalstraße 200, 68307 Mannheim, Germany Internet: <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a>

## 2. Validity

Specific processes and instructions in this instruction manual require special provisions to guarantee the safety of the operating personnel.

## 3. Target Group, Personnel

Responsibility for planning, assembly, commissioning, operation, maintenance, and dismantling lies with the plant operator. The personnel must be appropriately trained and qualified in order to carry out mounting, installation, commissioning, operation, maintenance, and dismantling of the device. The trained and qualified personnel must have read and understood the instruction manual.

## 4. Reference to Further Documentation

Observe laws, standards, and directives applicable to the intended use and the operating location. Observe Directive 1999/92/EC in relation to hazardous areas.

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Refer to the relevant EU-type examination certificate to see the relationship between the connected circuit type, the maximum permitted ambient temperature, the surface temperature, and the effective inner reactances.

The corresponding datasheets, manuals, declarations of conformity, EU-type examination certificates, certificates, and control drawings if applicable (see datasheet) are an integral part of this document. You can find this information under [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

Due to constant revisions, documentation is subject to permanent change. Please refer only to the most up-to-date version, which can be found under [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

## 5. Intended Use

The device is only approved for appropriate and intended use. Ignoring these instructions will void any warranty and absolve the manufacturer from any liability.

The base station is used for transmitting the data captured by the handheld reader (1-D barcodes or 2-D stacked codes) to the host. This data from the handheld reader is received wirelessly via Bluetooth.

The device is an electrical apparatus for hazardous areas.

The device may be operated in the Zones 1 and 21 or in the Zones 21 and 22.

Take the intended use of the connected devices from the corresponding documentation.

## 6. Improper Use

Protection of the personnel and the plant is not ensured if the device is not used according to its intended use.

## 7. Mounting and Installation

Prior to using the product make yourself familiar with it. Read the instruction manual carefully.

Only use accessories specified by the manufacturer.

## Requirements for Cables and Connection Lines

Observe the permissible cable type and cable length given in the respective hazardous area certificate.

Regarding the verification of intrinsic safety, observe the maximum permissible external capacitance of this device and the other devices in the circuit.

Install the cables and connection lines in such a way that they are protected from ultraviolet radiation.

The dielectric strength of the insulation must be at least 500 V according to IEC/EN 60079-14.

Observe the permissible core cross section of the conductor.

Do not use aluminum wire for connection of the device.

Observe the minimum bending radius of the conductors.

## 8. Operation, Maintenance, Repair

Prior to using the product make yourself familiar with it. Read the instruction manual carefully.

Observe the warning markings.

The device must not be repaired, changed, or manipulated. In case of failure, always replace the device with an original device.

Do not use a damaged or polluted device.

Do not connect or disconnect the electrical connection when energized.

If cleaning is necessary while the device is located in a hazardous area, in order to avoid electrostatic charging only use a clean damp cloth.

Observe IEC/EN 60079-17 for maintenance and inspection.

## 9. Delivery, Transport, Disposal

Check the packaging and contents for damage.

Check if you have received every item and if the items received are the ones you ordered.

Always store and transport the device in the original packaging.

Store the device in a clean and dry environment. The permitted ambient conditions must be considered, see datasheet.

The device, built-in components, packaging, and any batteries contained within must be disposed in compliance with the applicable laws and guidelines of the respective country.