

KNX RF Media Coupler (AFZE-1008)

Quick Start Guide



1 Safety guidelines

Warning: Danger to Life!

Do not install this product as part of a safety-relevant, life or health preserving facility.

CAUTION: Damage to the device due to electrical discharge and/or wrong connection

Observe the ESD protection. Device may not be connected to power supply 230V AC.

CAUTION: Damage due to liquid in the device!

Prevent liquid from getting inside the components. Do not use solvents such as benzine or alcohol, or scouring agent and scourers for cleaning.

2 Area of application

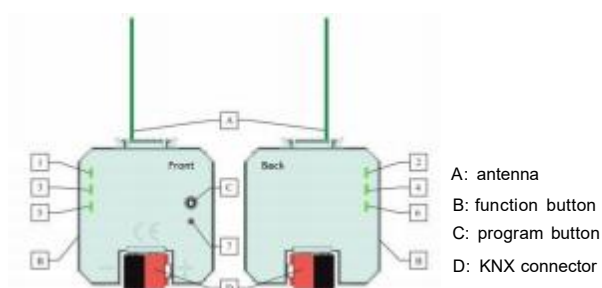
The KNX media coupler is designed for use in building technology. The device couples a KNX TP (twisted pair) line with a KNX RF (remote frequency) line. It can be configured using the ETS 5 software tool.



3 Starting up and using

The media coupler is supplied by the KNX bus and does not require any additional external AC or DC power supply. Before use the media coupler it should be configured using the ETS 5 software tool. A detailed description can be found at technical specification and is available for download via the manufacturers, website.

For configuration using the ETS 5 software a product database is available. The various functions can be configured using this product database. The product database is available for download via the manufacturers, website.



- | | |
|---------------------------|--|
| 1: LED bus state KNX RF | 5: Routing: Group telegrams |
| 2: LED bus state KNX TP | 6: Routing: physically addressed telegrams |
| 3: LED bus traffic KNX RF | 7: Programming |
| 4: LED bus traffic KNX TP | |

4 Technical data

Name	Value
Power supply:	KNX-Linie, 21...30V DC (SELV)
Current consumption:	< 10 mA
Frequency:	868,3 MHz +/- 300 KHz
Radiated power:	+10 dBm
Radiated sensitivity:	-100 dBm
RF protocol:	KNX RF1.R
Modulation:	FSK
Range:	bis zu 100 m im Freifeld
Operating temperature:	-5 °C ... +45 °C
Pollution degree acc IEC60664-1	2
Protection type acc IEC60529	IP20
Protection class acc IEC61140	III
Overvoltage category acc IEC60664	II

5 General user information

We reserve the right to make technical modifications which serve the development of our products. Improper use and storage can lead to faults and damage to the product. The warranty expires completely once unauthorized modifications to the product have been carried out. Do not carry out any unauthorized repairs and do not open up the product. These instructions are only valid for the supplied product. The warranty for this product is for commercial customers for one year from date of purchase. Liability for financial damages and defects is excluded.

Please pay attention to the instructions in the Technical Specification.

6 Declaration of conformity

These components are CE certified and comply with the guidelines EN50428, EN50581, EN61000-6 und EN62479. The device is KNX certified according ISO/IEC14543-3.

They were made and tested for use in Europe. Observe the local regulations before using in other countries.