Tecnical Data 2CDC 502 079 D0201

ABB i-bus® KNX
KNX/EnOcean Gateway
EG/A 32.2.1, 2CDG 120 047 R0011

Gateway for integration of EnOcean devices into KNX TP-1 (EIB) control systems and vice versa.

The ABB KNX/EnOcean Gateway allows a complete and natural integration of EnOcean devices into KNX control systems and vice versa.

Main features

- Reduced dimensions.
- Quick and easy installation.
- External power not required. Supplied through the KNX bus.
- Fully bidirectional.
- Supporting up to 253 KNX communication objects.
- Up to 32 simultaneous channels (or device nodes) and up to 5 devices (internal or linked) per channel.
- Fast and easy integration with EnOcean Gateways for air conditioning.
- Easy way to add new EnOcean devices through our catalogue file.
- Internal LCD to setup/monitor EnOcean devices.
- EnOcean devices quality signal reception shown in the gateway LCD.
- Intuitive and easy setup thanks to the ETS plugin with no need of any external software.
- Multiple objects for control and status (bit, byte, characters…) with KNX standard datapoint types.
- Status objects for every control available.

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Technical Specifications

Enclosure	Material	ABS (UL 94 HB). 2.5 mm thickness
	Size	70 x 100 x 28 mm
	Weight	97 g
	Color	White
Power supply	29 V DC, 11 mA	
	Supplied through KNX bus.	
Power consumption	max. 320 mW	
Mounting	Surface mounted (Wall or Ceiling)	
LED indicators (internal)	1 x KNX programming	
LCD-Anzeige (intern)	2x8 Characters	
	STN Positive (Yellow-green)	
	Reflective type	
	Without backlight	
Push buttons	1 x KNX programming	
	2 x LCD display control	
	1 x Erase EnOcean devices	
	1 x Teach-in / Learn EnOcean devices	
Operating Temperature	From 0 °C a 40 °C	
Operating humidity	< 93 % HR, no condensation	
Stock humidity	< 93 % HR, no condensation	
RoHS conformity	Compliant with RoHS directive (2002/95/CE)	
Certifications	ABB KNX/EnOcean Gateway	CE conformity to EMC directive (2004/108/EC) and Low-voltage directive (2006/95/EC)
		– EN 301489-1 V1.8.1
		– EN 60950-1
		– EN 50491-3
		– EN 50090-2-2
	ABB KNX/EnOcean Gateway	– FCC (ID: SZV-STM300C)
		– IC (ID: 5713A-STM300C)
Frequency	868.300 MHz	

Important

The *KNX/EnOcean Gateway* uses the 868 MHz frequency band for the transmission and reception of data which has been approved for EnOcean in the European Union, Switzerland, Turkey and Norway.

Further details can be found in the EnOcean Radio Approval Overview:
www.enocean.com/fileadmin/redaktion/pdf/tec_docs/EnOcean_Radio_Approvals_Overview_May2014.pdf

Please ensure that the product is suitable for application in the intended country of final installation and use before purchase.

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ABB supported EEPs

EEP	EEP[7] description
[F6-02-xx]	Light and Blind Control
[F6-03-xx]	Light and Blind Control
[F6-04-01]	Position Switch, Home and Office Application (Key Card Activated Switch)
[F6-10-00]	Mechanical Handle
[D5-00-01]	Contacts and Switches
[A5-02-xx]	Temperature sensors
[A5-04-01]	Temperature and Humidity Sensor
[A5-06-xx]	Light Sensor
[A5-07-xx]	Occupancy Sensor
[A5-08-xx]	Light, Temperature and Occupancy Sensor
[A5-09-xx]	Gas Sensor
[A5-10-xx]	Room Operating Panel
[A5-11-xx]	Controller Status
[A5-12-00]	Automated meter Reading (AMR)
[A5-20-xx]	HVAC Components[8]
[A5-30-xx]	Digital Input
[A5-37-xx]	Energy Management
[A5-38-xx]	Central Command

[7] EnOcean Equipment Profiles (EEP) v2.1
[8] The gateway can replace the controllers of the HVAC Components, but not the EnOcean devices themselves.

Device type	Application	Maximum number of Communication objects	Maximum number of group addresses	Maximum number of associations
EG/A 32.2.1	EnOcean Gateway/2.6*	253	253	253

* … = current version number of the application. **Please refer the software information on our homepage for this purpose.**

Device type	Product name	Product no.
EG/A 32.2.1	KNX/EnOcean Gateway	2CDG 120 047 R0011

Note

For a detailed description of the application see *KNX/EnOcean Gateway* product manual. It is available free-of-charge at *www.abb.com/knx*.

ETS and the current version of the device application are required for programming.

The current version of the application is available for download at *www.abb.com/knx*. After import into ETS it appears in the *Catalogs* window under *Manufacturer/ABB/System components/EnOcean.*

The device does not support the locking function of a KNX device in the ETS. If you use a *BCU code* to inhibit access to all the project devices, it has no effect on this device. Data can still be read and programmed.

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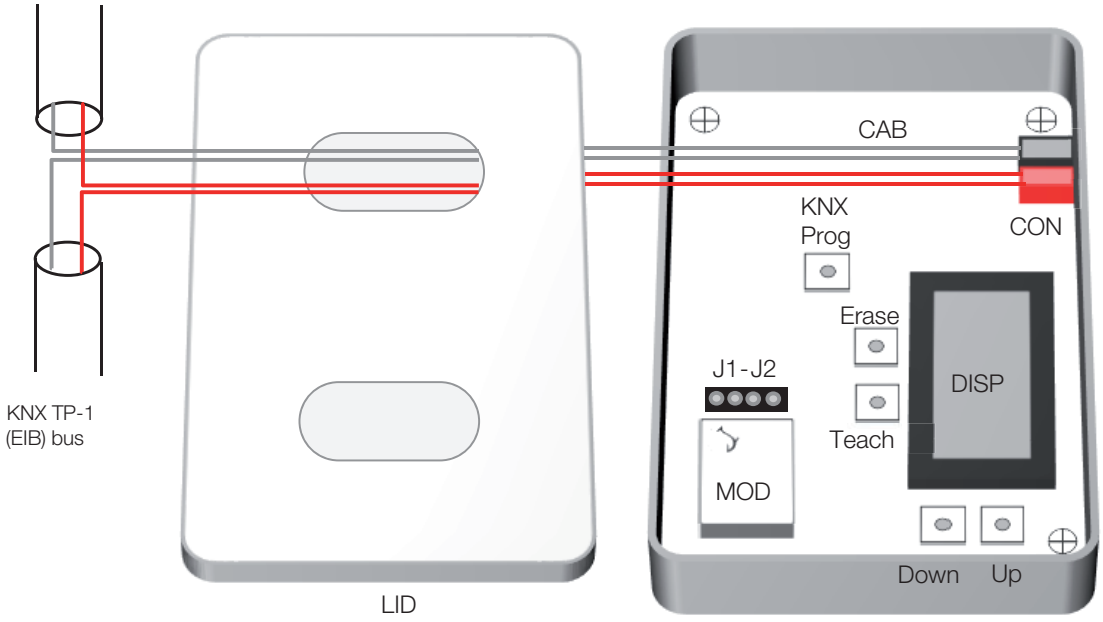
Connection of the interface to the KNX bus



KNX Prog	KNX programming button
Erase	Erase button
Teach	Learn/Teach-in button
Up	Up button
Down	Down button
CON	KNX connector
CAB	KNX cable
DISP	Display
MOD	EnOcean module
J1-J2	*For future use*
LID	ABB device LID

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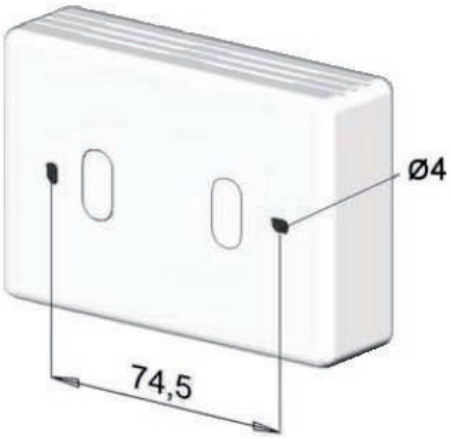
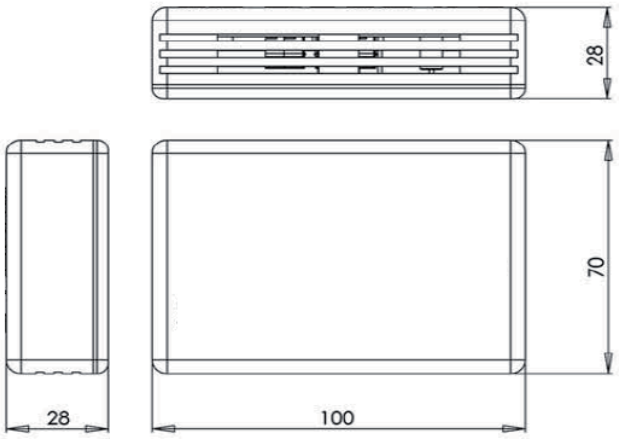
Dimension drawing





Contact

ABB STOTZ-KONTAKT GmbH
Eppelheimer Straße 82
69123 Heidelberg, Germany
Phone: +49 (0)6221 701 607
Fax: +49 (0)6221 701 724
E-Mail: knx.marketing@de.abb.com

Further Information and Local Contacts:
www.abb.com/knx

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