
TECHNICAL DATA

ABB i-bus® KNX

TR/A 1.1

Time Receiver GPS



Description of product

The Time Receiver GPS is a surface mounted device. Physical address assignment and device parameterization are carried out using ETS and the current application.

The TR/A 1.1 is powered via the ABB i-bus® and does not require an additional auxiliary voltage supply.

The device is ready for operation after connecting the bus voltage.

The Time Receiver GPS is used to receive the current time and to send it on the KNX bus. This allows the Time Receiver GPS to act as the internal clock for every time switch or also for devices with time-dependent logic. Furthermore, its integrated brightness and temperature sensor can transmit additional exterior conditions on the KNX bus.

Technical data		
Power supply	Bus voltage	21...32 V DC
	Current consumption, bus	Maximum 10 mA
	Leakage loss, device	Maximum 300 mW
Connections	KNX	Via bus connection terminal, 2-fold (red/black) 0.8 mm Ø, single core
Operating and display elements	Push button/LED (red)	For assignment of the physical address
	LED	For indication of GPS reception
Protection degree	IP 54	To EN 60 529
Protection class	III	To EN 61 140
Isolation category	Pollution degree	2 to EN 60 664-1
KNX safety extra low voltage	SELV 24 V DC	
Light sensor	Brightness measuring range	1...220,000 Lux
Temperature sensor	Temperature measuring range	-30 °C...+55 °C
Temperature range	Operation	-30 °C...+55 °C
	Transport	-30 °C...+55 °C
	Storage	-30 °C...+55 °C
Ambient conditions	Maximum air humidity	max. 95% r.h., non-condensing
Design	Surface mounted device (AP)	
	Dimensions	75 x 90 x 40 mm (H x W x D)
Installation	Surface mounting; wall mounting with fixing bracket	To EN 60 715
Mounting position	Housing cover must face up	
Weight	0.09 kg	
Housing/color	Plastic housing, gray	Self-extinguishing thermoplastic
Approvals	KNX to 50491-3, -5-1, -5-2, -5-3	Certification
CE marking	In accordance with the EMC directive and low voltage directive	

Software				
Device type	Application	Max. number of group objects	Max. number of group addresses	Max. number of associations
TR/A 1.1	Time Receiver GPS, SM/...*	40	255	255

* ... = Current version number of the application. **Please refer to the software information on our website for this purpose.**

Ordering details					
Device type	Product Name	Order No.	bbn 40 16779 EAN	Weight 1 pcs. [kg]	Packaging [pcs.]
TR/A 1.1	Time Receiver GPS, SM	2CDG120060R0011	01572 1	0.09	1

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NOTE

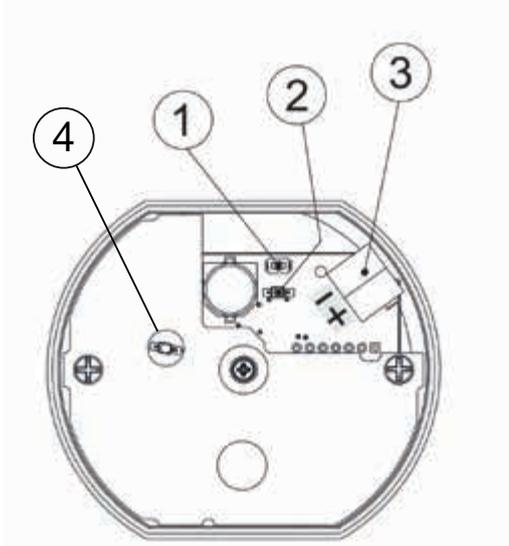
Please refer to the TR/A 1.1 Time Receiver GPS product manual for a detailed description of the application. It is available free of charge at www.abb.com/knx.

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 is available in ETS under ABB/Timer/Switch.

The device does not support the locking function of a KNX device in ETS. Using a BCU code to block access to all the project devices has no effect on this device. Data can still be read and programmed.

Connection



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LEGEND

- 1 Programming button
- 2 Programming LED
- 3 Bus connection terminal
- 4 GPS reception LED

Dimension drawing

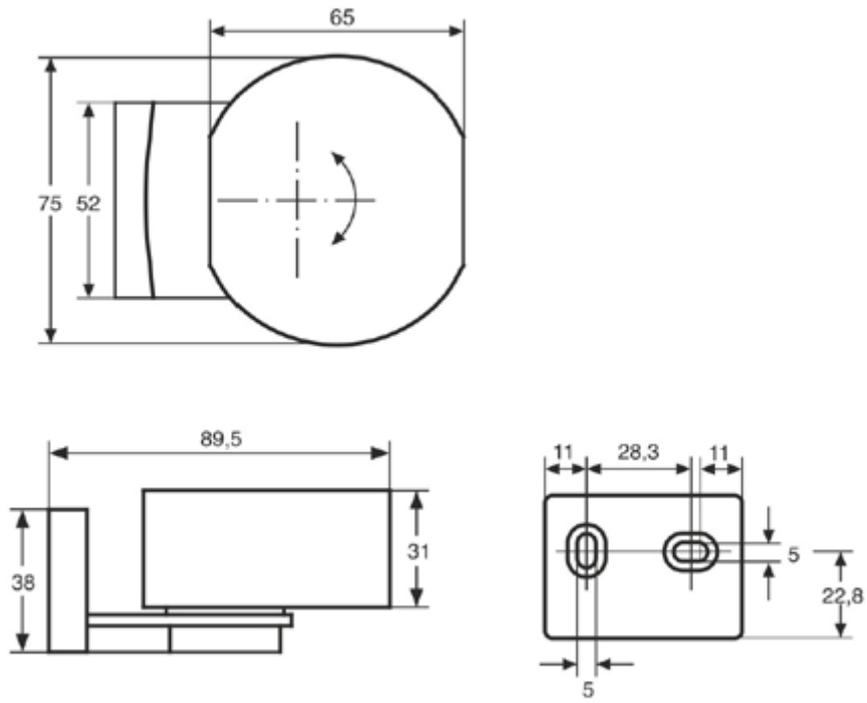




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