

Data sheet
RATIO®-radio bus system
Radio gateway RS485 unidirectional APG03U-RS485



The Ratio® radio gateway APG03B-RS485 is a device for surface mounting. It serves as unidirectional gateway between the Ratio® radio senders and systems with RS485-interface. The gateway receives telegrams from all sensors and put them on the RS485-Bus. For configuration and set in operation is a special Softwaretool available.

Techn. Daten	Radio gateway APG03U-RS485	Remarks
Functions	Receive all standard-types of EnOcean-Standard	
Operating data	Rated voltage 12-24VDC Idle current consumption ca. 20mA,	Bemessungsstrom 0,5A Idle current consumption ca. 25mA
Radio technology	Protocol EnOcean PTM/STM,	Frequency 868,3MHz
Radio module / Channels	TCM120	
Absicherung	keine	
Serving and display elements	1 button „LRN“, 1 button „CLR“, 1 button LED „LRN“, 1 button LED “CLR”	
Connection	Plug clamp 0,75mm2	
Mechanical data	Gehäuse: Kunststoff ABS, Abmessungen B=80mm H=80mm T=25mm, Gewicht: 80g	
Mounting / Assembly	Aufputz	
Environmental conditions	Umgebungstemperatur im Betrieb -5°C ... +40°C Rel. Feuchte (nicht kondensierend) 5 ... 90%	
Protection	IP20 according to EN 60529	
Norm conforming assembly	Device conforms to EN 090-2-2 and EN 60669-2-1	
Approbation	R R&TTE guidelines 1999/5/EC and conforming to EU guidelines.	
Labeling	According to EMV guidelines (residential and functional buildings), low voltage guideline. ROHS conforming according to 2002/95/EC.	

Safety references

The installation of this device may only be done by certified professionals.
 Before working with the device, turn off the electricity supply.
 The prevailing safety and accident prevention regulations must be observed.

Area of applications

The device may only be

- Applied in the intended area of use
- Installed fixed in a dry and clean environment,
- Installed in a way that it can only be accessed by using the appropriate working tools.

Diagram of connections	Designation	Type	Article number
<p>Funk-Gateway RS485 unidirektional APG03U-RS485-Eno</p>	Radio gateway RS485 unidirectional	APG03U-RS485	6010000