

Data sheet
RATIO®-radio bus system
Radio gateway RS232 bidirectional APG03B-RS232



The Ratio® radio gateway APG03B-RS232 is a device for surface mounting. It serves as **bidirectional** gateway between the Ratio® radio senders and systems with RS232-interface. The gateway receives telegrams from all sensors and put them on the RS232-Bus or enable the RS232-System to transmit RF-telegrams to all Ratio® radio devices. For the configuration and set in operation is a special Softwaretool available.

| Techn. Daten | Radio gateway APG03U-RS232 | Remarks |
|------------------------------|---|---|
| Functions | Receive and transmit 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 RS232 bidirektional APG03B-RS232-Eno</p> | Radio gateway RS232 bidirectional | APG03B-RS232 | 6043000 |