



The Ratio® radio gateway 32 channel APG01-EIB is a device for surface mounting. It serves as gateway between the Ratio® radio senders and the EIB/KNX bus. Per channel, one Ratio® radio sender can be learnt and programmed with one of the following functions:

**Ratio® wall and hand sender:**

- Switching (On/Off/Switch/value indicator)
- Switching/Dimming with stop telegram
- Blind (Up/Down/Step/Stop)

**Ratio® room temperature sensor RTFxxx:**

- Measuring and recording current and index value
- Measuring the present push-button, operating modes or the switch

**Ratio® windows contact FK101:**

- Switching (On/Off)

**Ratio® motion detector AP230/01:**

- Switching (On/Off)

**Ratio® light sensor LS101:**

- Measuring the exterior light value

Technical data	Radio gateway EIB 32 channel APG01-EIB	Remarks
Functions	Switching On / Off / Switch / value indicator Switching / Dimming with stop telegram Blind with stop telegram Measured value recording	Parameterizable by means of ETS software
Radio technology	Protocol EnOcean, Frequency 868,3MHz	
Operating data	Rated voltage EIB voltage 29VDC SELV, Idle current consumption approx. 20mA, Power input approx. 25mA	
Outlets	32 EIB channels, parameterizable by means of ETS software	
Switching behavior	Parameterizable by means of ETS software	
Operation and indicator modules	1 button „LRN“, 1 button „CLR“, 8 LED ( 1 LED per channel)	
Connection	EIB plug clamp	
Mechanical data	Casing: synthetic ABS, measurement width=80mm height=80mm depth=25mm, weight: 80g	
Mounting / Assembly	Surface mounting	
Environmental conditions	Environmental temperature in operation 0°C ... +40°C Storage temperature -40°C ... +85°C Relative humidity (non-condensing) 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
	Radio gateway EIB 32-Kanal	<b>APG01-EIB</b>	<b>6005000</b>