

**Data sheet**  
**RATIO®-radio bus system**  
**Thermostat switch actuator 1-channel 13A UPT230/01**



Der Ratio® thermostat switch actuator 1-channel UPT230/01 is a device for in- or on-wall mounting. By means of the Ratio® room temperature sensors (RTF101,102,103) a group of electrical devices (e.g. adjustments valves, electrical heatings) can be controlled by ist potential-free output.

According to parametrization, the outlet is assigned different parameters, which means that the Ratio® thermostat actuator UPT230/01 consists of the device itself (hardware) and the application program (software).

Technical Data	Thermostat switch actuator UPT230/01	Remarks
Functions	Switching On / Off (PWM t=20 minutes) with freeze protection circuit by 8 °C as well as transmission suppression with obligation position	Parameters by means of learned-in radio transmitters. See in addition the manual
Radio technology	Protocol EnOcean,	Frequency 868,3MHz
Operating data	Rated voltage 230V 50/60Hz Idle current consumption ca. 20mA, Power Input ca. 4VA	Rated current 0,5A Power input ca. 25mA Power loss ca. 0,9W
Security	By external automatic cotout 13A Typ C	
Load exit	Change-over contact potential-free,	Rated current 13A / 230VAC
Connection power by 35°C ambient temperature	Ohmic load: 2300W Leuchtstofflampen 250VA Inductive Load (cosφ=0,8) 650VA	Incandescent lamp 1000W EVG 100VA Capacity load. 30uF
Switching attitude	parametrisable	
Serving and display elements	1 button „LRN“, 1 button „CLR“, 1 button LED „LRN“, 1 button LED “CLR”	
Connection	screw clamp 4mm2	You can easily clamp two 1,5mm2 wires
Mechanical Data	Casing: plastic Lexan, Weight: 80g	Dimensions: D=51mm H=25mm
Mounting / Assembly/ Installation	Flush or surface mounting	e.g. behind a socket or in a synthetic casing
Environmental conditions	Environmental temperature in operation -20°C ... +40°C Storage temperature -40°C ... +85°C Relative humidity (non-condensing) 5 ... 90%	
Protection category	IP20 after EN 60529	
Norm conforming assembly	Device conforms to EN 090-2-2 and EN 60669-2-1	
Approbation	TUV, R&TTE guidelines 1999/5/EC and conforming to EU regulations. ROHS conforming according to 2002/95/EC.	
Labeling	According to EMV guidelines (residential and functional buildings), low voltage guideline. ROHS conformal after 2002/95/EC.	

**Safety references**

The installation of this equipment may take place only via proven technical personnel.  
 Before working on the equipment the current supply must be switched off.  
 The valid safety and rules for the prevention of accidents are to be considered compellingly.

**Area of application**

- The equipment may only
- To be used for the regulation-moderate employment
  - To be installed firmly in a dry an clean environment
  - To be installed in such a way that an access is possible only with a tool

Diagram of connections	Designation	Typ	Article number
	Thermostat actuator 1-channel 13A with a change-over contact, supply voltage 230VAC	UPT230/01	3121000