



Heating Actuator Stella R LoRaWAN



The Stella R LoRaWAN is a wireless energy-saving controller for demand-driven individual room temperature control based on the LoRaWAN standard. The LoRaWAN protocol, operating in LPWAN environments, enables wireless communication over distances of several kilometers, making the device ideally suited for use in large and widely distributed building infrastructures.

With high actuating force and extensive configuration options, the controller is suitable for residential and commercial premises, as well as for public buildings, hotels, industrial facilities and office buildings.

Technical data

Supply voltage:	2x 1,5 V LR6 / AA-Battery
Adjusting force:	> 125 N
Temperature at the valve:	+20°C to +120°C
Battery life:	approx. 5 years (depending on usage and network characteristics)
Valve stroke:	4,8 mm
Temperature range:	8°C to 28°C
Dimensions (WxHxD):	55 x 70 x 85 mm
Housing:	Plastic (white)
Weight:	197 g
Installation:	M30x1,5 mm, RA-, RAV-, RAVL-Valve (Metal adapters are available for other valves)
Protection class:	IP20
Area of application:	Indoor
Scope of delivery:	Actuator Stella R LoRaWAN, Instruction manual,, Adapter set (RA,RAV,RAVL), 2x 1,5 V AA-Battery

Radio standard

Communication:	LoRaWAN EU88 (V1.0.4) Internal antenna
Frequency range:	L-Band 865,0-868,0 MHz M-Band 868,0 MHz-868,6 MHz
Duty-Cycle:	L-Band < 1 %/h M-Band < 1%/h
LoRaWAN range:	> 6km (Freefield, SF9, Gateway: Kerlink PDTIOT-ISS04)

Environmental conditions

Operating temperature:	0 to +40°C
Ambient humidity:	0 to 95 %
Storage and transport conditions:	Temperature -20°C to +80°C Relative humidity max. 95%

Functions

- Actuator mode
- Closing point control
- Frost protection function
- Configuration and parameterisation visible in Payload
- Clear LED display
- Rocker switch for operation