



## Heating Actuator Stella Pro LoRaWAN



Thanks to its outstanding battery life, high actuation force, robust design and extensive configuration options, the Stella Pro LoRaWAN is ideally suited for use in public buildings such as schools and administrative facilities, as well as hotels, industrial sites, and office buildings.

The Stella Pro LoRaWAN is built on the experience gained from manufacturing more than 20 million heating actuators.

### Technical data

|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Supply voltage:</b>           | 3,6 V Lithium-Battery C-Celle (changeable)                                                         |
| <b>Adjusting force:</b>          | > 150 N                                                                                            |
| <b>Temperature at the valve:</b> | +20°C to +120°C                                                                                    |
| <b>Battery life:</b>             | > 10 years (depending on usage and network characteristics)                                        |
| <b>Valve stroke:</b>             | 4,8 mm                                                                                             |
| <b>Temperature range:</b>        | 8°C to 28°C                                                                                        |
| <b>Dimensions (WxHxD):</b>       | 60 x 80 x 60 mm                                                                                    |
| <b>Housing:</b>                  | Plastic (white), Alu                                                                               |
| <b>Weight:</b>                   | 197 g                                                                                              |
| <b>Installation:</b>             | M30x1,5 mm, RA-, RAV-, RAVL-Valve (Metal adapters are available for other valves)                  |
| <b>Protection class:</b>         | IP20                                                                                               |
| <b>Area of application:</b>      | Indoor                                                                                             |
| <b>Scope of delivery:</b>        | Actuator Stella Pro LoRaWAN, Instruction manual, Button press tool, (Lithium battery not included) |

### Radio standard

|                         |                                                       |
|-------------------------|-------------------------------------------------------|
| <b>Communication:</b>   | LoRaWAN EU88 (V.1.0.4)<br>Internal antenna            |
| <b>Frequency range:</b> | L-Band 865,0-868,0 MHz<br>M-Band 868,0 MHz-868,6 MHz  |
| <b>Duty-Cycle:</b>      | L-Band < 1 %/h<br>M-Band < 1%/h                       |
| <b>LoRaWAN range:</b>   | > 6km (Freefield, SF9, Gateway: Kerlink PDTIOT-ISS04) |

### Environmental conditions

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

### Functions

- Actuator mode
- Closing point control
- Frost protection function
- Configuration and parameterisation visible in Payload
- Status display via LED indicator