



NOVATHERM ACTUATOR DATA SHEET

The NovaTherm Actuator is designed to open and close a heating circuit on the NovaTherm underfloor heating manifold based on whether the circuit is calling for heat.

The valve actuator helps improve the energy-efficiency of the system by allowing individual room temperature control.

The Actuator mechanism uses a PTC resistor-heated wax element and compression spring. The wax element is heated by apply the operating voltage which in turn, moves the integrated ram. The force generated by the movement is transferred to the valve motor which opens and closes the valve.



In case of the normally closed version, the valve is opened/closed by the ram at a steady rate when the device receives its operating voltage. When the devices operating voltage is cut, the device will enter a 'hold' period. Once the hold period has finished, the valve will then close evenly by the compression spring.

- Modern Design
- Stroke 3.0mm
- Normally Closed (NC)
- Power Consumption 2Watt Complete Compatibility to valve- adapter-system
- Simple snap-on installation
- 360° Installation Position
- Patented 100% Protection Against
- Leaky Valves
- Adaptation Check on Valve
- Alignment Aid on the Valve
- Compact Design
- All Around Function Indicator
- Minimal Operational Noise &
- Maintenance Free
- High Functional Safety
- Surge Protection
- Certified by LL-C

Technical Specification	
Operating voltage	230 V AC +/-15% 50/60 Hz
Maximum inrush current	< 200 mA during 100 ms max
Operating power	2 W 1)
Stroke (actuator travel)	3.0mm
Actuating force	100 N +10%
Fluid temperature	0 to +100°C 2)
Storage temperature	-25°C to +60°C
Ambient temperature	0°C to +60°C
Degree of protection	II
Type of protection	IP 54 3)
CE conformity according to	EN 60335
Housing material/housing colour	PC White
Connecting cable/colour	2 x 0.5mm ² PVC Light grey
Cable length	1 Meter
Weight with connecting cable (1 meter)	32.5 g
Surge protection according to EN 60335-1	2.5 kV