

# AET LPC 4.5 THERMO-ELECTRIC ACTUATORS

## LOW POWER CONSUMPTION

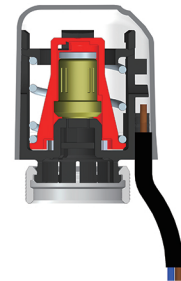


## OPTIMIZED SOLUTION

AET LPC 4.5 is the new generation of Vernet Low Power Consumption Thermo-Electric Actuators. The smallest in the range, it has an optimised design to efficiently actuate a heating valve.

Vernet Actuators are **thermostatic wax elements with ceramic discs**. They control temperature by **transforming electrical energy into force and movement** thanks to the wax expansion and contraction.

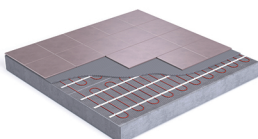
The energy is **supplied by a 24 or 230 Volts** PTC heater (Positive Temperature Coefficient resistor).



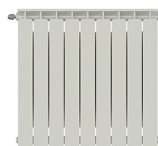
## MAIN ADVANTAGES

- ✓ **Energy saving**  
20% better than classical products
- ✓ **Compact size**  
The smallest of the range
- ✓ **Silent movement**  
Perfect for comfort applications
- ✓ **Vernet wax element inside**  
The smartest investment

## APPLICATIONS



Underfloor, Wall and Ceiling Heating Cooling Systems

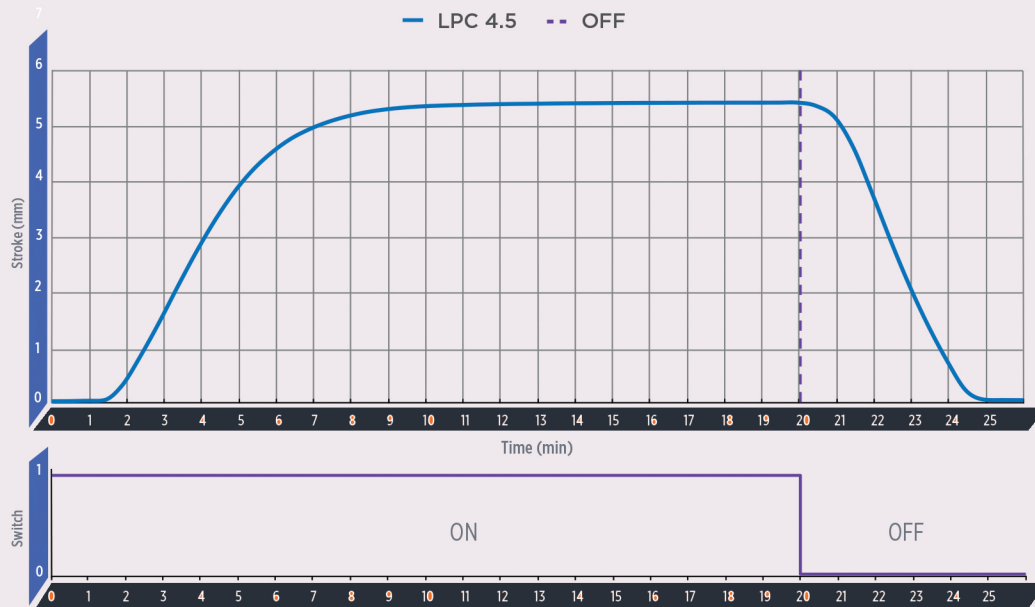


Radiators

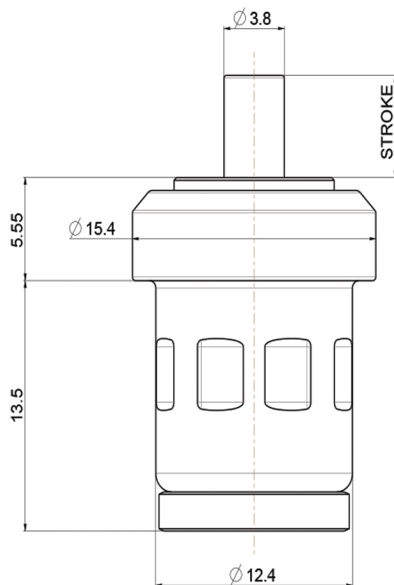


Valve Controls

# OPERATING CURVE



## DIMENSIONS (in mm)



## TECHNICAL INFORMATION

Operating voltage	24V, 230V
Power consumption	< 1w
Ambient operating temperature	Up to 60°C
Stroke	5.5mm
Stroke after endurance (100 000 cycles)	4.5mm
Minimum load	40N
Maximum load	200N
Response time	Start to move: approx. 2 min 2/3 stroke: approx. 3 min

