Electrothermal actuators (L)
M 30 x 1,0

Technical information

The Oventrop Quality Management System is certified to DIN-EN-ISO 9001

Tender specification:

Oventrop electrothermal actuator, closed with current “off”.

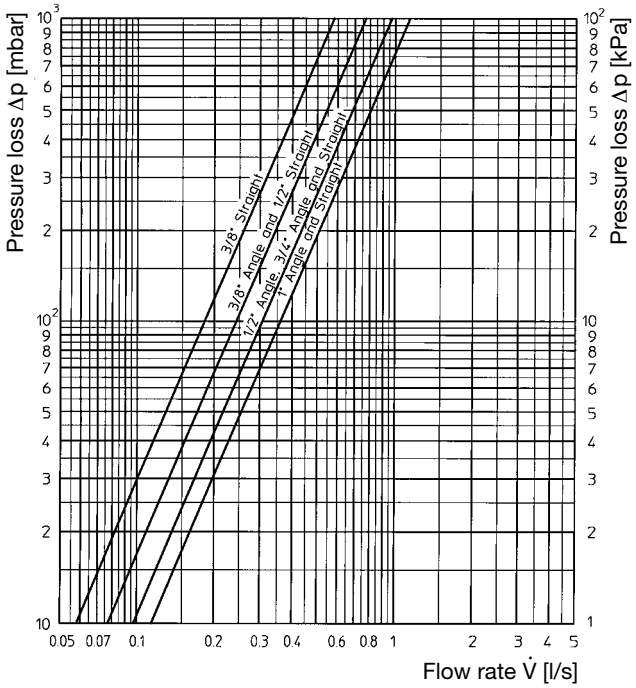
Operating voltage:	230 V or 24 V
Starting current:	0.7 A
Current:	0.013 A for 230 V or 0.125 A for 24 V
Closing/opening time:	5 min. max.
Protection:	IP 43 vertical upward position IP 40 other position, installation in vertical downward position is not permitted
Fluid temperature:	max. +110°C
Ambient temperature:	max. +50°C
Length of cable:	1 m

The suitable types of valves are detailed in the technical data sheets.

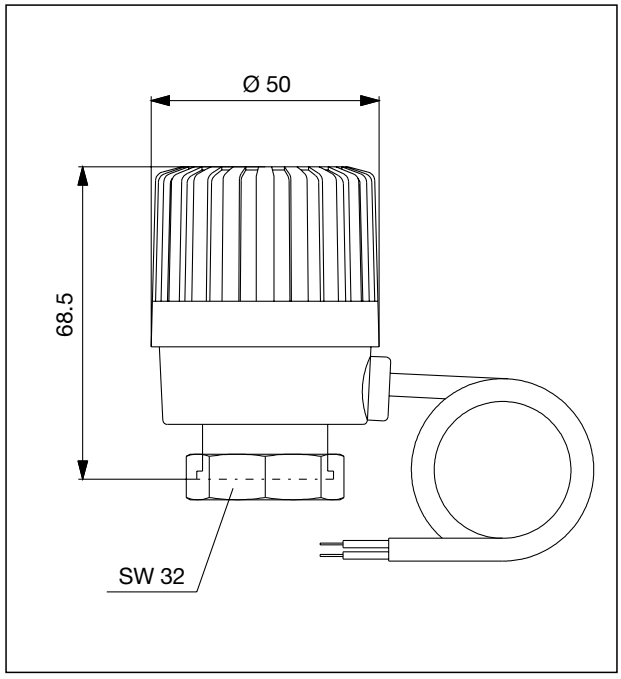
Item nos.:

101 24 70	closed with current “off”, 230 V
101 24 71	closed with current “off”, 24 V
101 24 73	closed with current “off”, 230 V with auxiliary switch and varistor

Oventrop thermostatic radiator valves “Series AZ”
valves fully opened



Dimensions:



Installation and fitting:

Please observe: The brown cable must be connected to phase (R). It is recommended that the electric circuit should be fused. Connection cables must not be laid alongside hot pipework as excessive heat will accelerate the ageing of cable insulation.

Electrical connections must be carried out in accordance with the requirements of the local Electricity Board.

Oventrop electrothermal actuators can be installed in any position but the installation in vertical downward position is not permitted. In order to avoid unnecessary working hours out of heating seasons or when not required, actuators should be switched off via a main switch during these periods.

Accessories:

Room thermostat 230 V	115 20 51
Room thermostat 24 V	115 20 52
Room thermostat-clock 230 V, with daily setting	115 25 51
as above with weekly setting	115 25 52
Room thermostat heating/cooling 24 V	115 22 51

Operation:

When combined with Oventrop radiator valves and Oventrop room thermostats, two point electrothermal actuators allow an individual room temperature control. Dependant on the layout of the heating circuit, it is possible to control a number of radiators (zones) with one control valve only.

The working element of the Oventrop actuators is of a semi solid type which expands when electrically heated. It is silent in operation with low current consumption.

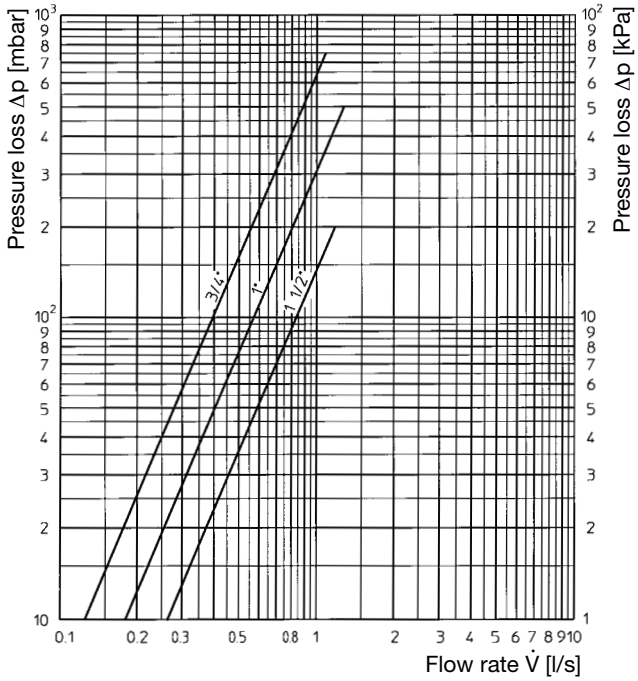
The actuators may be used for heating and cooling circuits.

If room temperatures are controlled via the Oventrop electrothermal actuators, it is recommended to carry out the room temperature setback via the room thermostat, e.g. the Oventrop electronic room thermostat heating/cooling or the Oventrop room thermostat-clock (see technical data sheet “Wireless controls”).

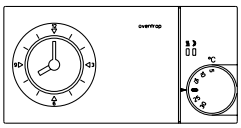
If for some reason a setback of the flow temperature is required during night hours or at other times, a setback of the room temperature via the room thermostat should be carried out in addition.

Oventrop three-way mixing and diverting valves

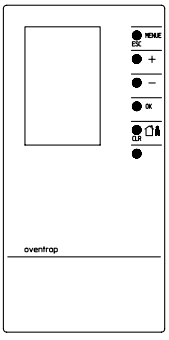
Pressure loss chart



Room thermostat
for electric individual room temperature control.
Temperature setback via external time switch
(item nos. 115 25 51/52 – 230 V)
(not with actuator opened with current “off”)
Item no. 115 20 ..



Room thermostat-clock
for electric individual room temperature control and central temperature setback.
Item no. 115 25 ..



Room thermostat Heating/Cooling
with proportional and proportional-plus integral control, for electric individual room temperature control and central temperature setback.
Item no. 115 22 51

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Subject to technical modification without notice

Product range 1
ti 188-1/10/MW
Edition 2006