



- Supply voltage 24 V AC, 24 V AC/DC or 230 V AC
- Clear position indicator (open/closed)
- Actuating force 100 N
- Compact design

The RTA actuators can be used in conjunction with Regin's RTV, FVR and CTV valve ranges.

#### Models

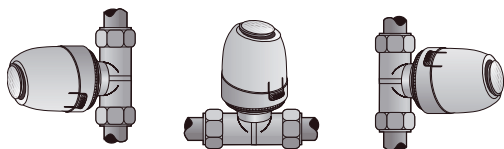
The range comprises five models. RTAM-24, RTAOM-24, RTAM-230 and RTAOM-230 are intended for 2-point (On/off) control. RTAM-24A is intended for proportional control with 0...10 V control signal.

#### Function

The actuator uses a PTC resistor-heated elastic element and a compression spring. When the operating voltage is switched on, the wax element is heated and moves the integrated ram. The force generated by the movement is transferred to the valve lifter and opens and closes the valve.

#### Installation

The actuator connects to the valve with the connection nut. The actuator should be mounted vertically or horizontally.



#### Adjustment to other valve brands

RTA can be adjusted to almost any brand of valves, by simply snapping-on the actuator to the adapter. The VA54 adapter for MMA valves is included on delivery.

See table of adapters on the next page.

# RTA...

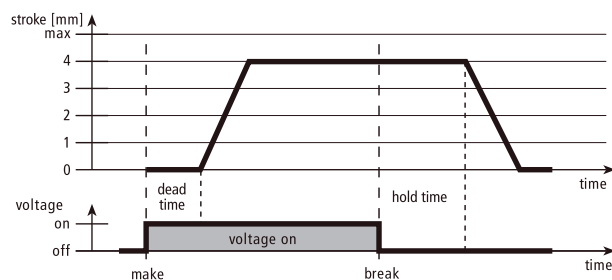
## Thermal actuator

RTA is a range of thermal actuators intended for mounting with a valve in heating or cooling systems. The actuator can be used for controlling radiator circuits, solar heating systems, heating or cooling coils, floor heating etc.

- On/off or 0...10 V control signal
- Noiseless
- Low power consumption

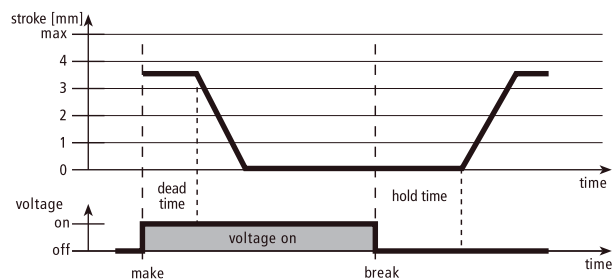
#### Normally closed models (RTAM...)

When the operating voltage is switched on and the dead time has expired, the valve is opened by the piston motion. After the operating voltage is cut and the hold time has expired, the wax element cools down and the valve is closed by the closing force of the compression spring. The closing force of the compression spring keeps the valve normally closed.



#### Normally open models (RTAOM...)

For normally open actuator models, the ram motion is redirected by mechanical means, and the actuator function is the opposite compared to the normally closed models.



THE CHALLENGER IN BUILDING AUTOMATION

## Models

Model	Supply voltage	Control signal
RTAM-24	24 V AC/DC	On/off, Normally Closed
RTAOM-24	24 V AC/DC	On/off, Normally Open
RTAM-230	230 V AC	On/off, Normally Closed
RTAOM-230	230 V AC	On/off, Normally Open
RTAM-24A	24 V AC	0...10 V, Normally Closed

### Initiation

Valves of the type NC are delivered with the actuator fixed in an open position. This means that hydraulic circuits can be filled and vented with the actuator mounted. The valve remains open until the actuator has been activated for more than 6 min and the power supply is interrupted.

### Technical data

Supply voltage	24 V AC, 24 V AC/DC or 230 V AC
Control signal	On/off or 0...10 V
Power consumption	24 V, 2 W, initially 250 mA alt. 230 V, 2 W, initially 300 mA
Protection class	IP54
Installation	Snap-on
Closing/opening time	Approx. 3 min
Stroke	4 mm
Connection	M28 x 1.5
Ambient temperature	0...60°C
Force	100 N
Cable	Length 1 m, cable area 0.75 mm <sup>2</sup> , PVC. A 5 m cable is available as accessory for RTAM-24A.



**EMC emissions & immunity standards:** This product conforms to the requirements of European EMC standard CENELEC 60335-1 and carries the CE-mark.

**RoHS:** This product conforms with the Directive 2011/65/EU of the European Parliament and of the Council.

Weight	140 g
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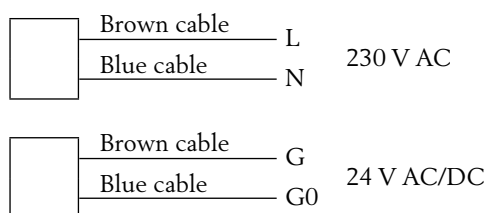
### Adapters for adjustment of RTA to other brands of valves

Brand	Type	Thread	Colour
TA	VA32	M28 x 1.5	Green
Oventrop	VA39	M30 x 1.5	White
Cazzaniga	VA44H	M32 x 1.5	Grey
Honeywell	VA50	M30 x 1.5	Dark grey
MMA	VA54	M28 x 1.5	Dark blue

Brand	Type	Thread	Colour
Danfoss RAV/L	VA59	M30 x 1.5	Light grey
Danfoss RAV	VA72	M30 x 1.5	Light grey
Danfoss RA	VA78	M30 x 1.5	White
Heimeier	VA80	M30 x 1.5	White/grey
TA	VA80	M30 x 1.5	White/grey

### Wiring and dimensions

#### On/off models



#### 0...10 V model

