



Actuator ALPHA 4



VA 78

VA 80

Valve adapter
(not included in delivery)

Individual room control with individual night set-back

For new buildings and modernisations Theben offers the elegant solution. The proven clock thermostats RAMSES, combined with an electrothermal actuator make possible the up-grading of existing systems to individual room control. Ideal for the electrician, for intervention into the heating pipes is not necessary. Electrothermal actuators can be installed on almost any room radiator with a broad range of adapter pieces. With any clock thermostat from THEBEN, a room such as a living room, bed room, kitchen or, of course, even an office can be controlled in accordance with your personal requirements, with one or more actuators. The automatic set-back of the room temperature during absence or at night makes possible the strived for energy saving of up to 20 %.

For driving the following actuator, a Theben clock thermostat is required.

Actuator ALPHA 4 230 V~

- Elegant actuator for radiators, heating circuit distributors or individual heating circuits
- "First open function" for simple mounting and heating startup
- Plug-in mounting on valve adapter
- Function and adaptation control
- Dismounting safety through removable SaveGuard
- Guaranteed overvoltage protection

Actuator ALPHA 4 24 V

- Actuator as before, but for 24 V AC/DC

Valve adapter VA 78

- Valve adapter for Danfoss RA

Valve adapter VA 80

- Valve adapter for Onda, Schlösser (from year of construction 93), Oventrop (M 30 x 1,5), Heimeier, Herb, Therm-Concept, Frank, Roth (distributor), Dinotherm (distributor)

Common technical data:

Operating voltage:

230 V AC, 50/60 Hz
24 V, 0–60 Hz

Functional principle:

Silently working expandable element

Valve currentless: closed

Switch-on current:

max. 300 mA for max. 200 ms
max. 250 mA for max. 2 min

Rated power: 1.8 W

Closing/opening times: approx. 2.5 min

Stroke: 4 mm

Spring force: 100 N, ± 5 %

Admissible ambient temperature: 0 °C... +60 °C

Storage temperature: –25 °C... +60 °C

Type of protection: IP 54 according to EN 60529

Protection class:

II according to EN 60730-1

Length of the plug-in connecting cable: 1000 mm

Color of housing: white (RAL 9003)

Housing: 60 x 44 x 61 mm (H/W/L)

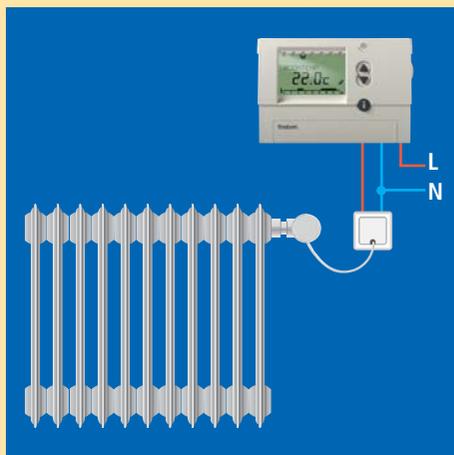


Mounting without intervention into the heating pipes!

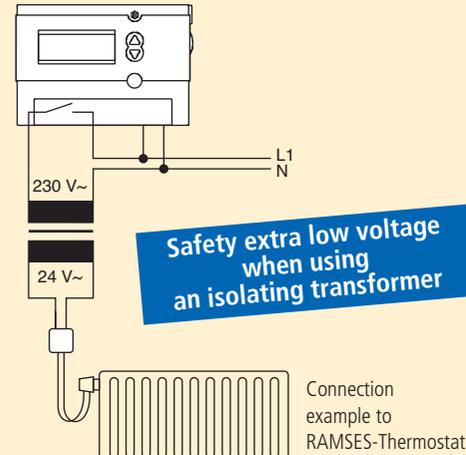
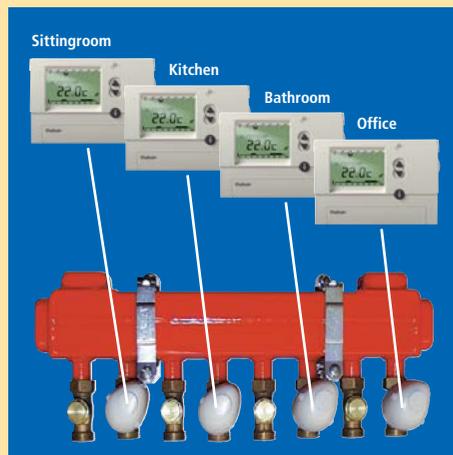
More valve adapters upon request:

VA 02	M 30 x 1,5	Velta
VA 16	M 28 x 1,5	Herz
VA 16 H	M 28 x 1,5	Poly Therm
VA 26	flange	Giacomini
VA 59		Danfoss RAVL
VA 81	M 30 x 1,5	Cosmotherm, Cosmoline (GC distributor), Strawa

Regulation of the radiator heating:



Regulation of the individual floor heating circuits:



Type	Order No.
Actuator ALPHA 4 230 V~	907 0 438
Actuator ALPHA 4 24 V	907 0 439
Valve adapter VA 78	907 0 436
Valve adapter VA 80	907 0 437

Accessories

Actuator for individual room control



Individual room control with actuators on all radiators

- 1 Clock thermostat with mains supply in each room or office.
- 2 The Theben actuators on the radiators are controlled by the clock thermostats. The Theben actuators are suitable for most of the heating valves.

