

# Electronic thermostats

# KEO

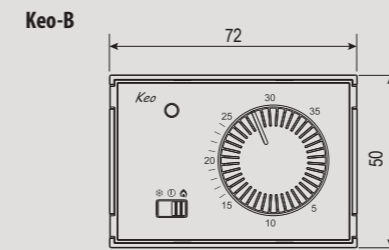
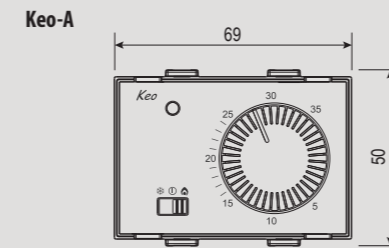
Series of electronic thermostats with flush-mounting on 3 modules box designed to control the environment temperature both in heating and cooling, available both with AC power supply and battery supply.



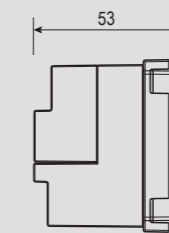
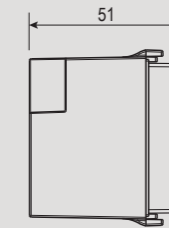
- 1 Installation in flush-mounting 3 modules box (503 type)
- 2 Supports to adapt the instrument to the plates of the main civil series
- 3 Terminals on the back of the instrument for the connection of the output relay, of the power supply (for Keo-A only) and of the external contact (for Keo-B only)
- 4 Interchangeable cover available in white and anthracite grey colours (included in the package) and silver (you can buy separately)
- 5 Instrument extraction mode of push-push type (for Keo-B only) to facilitate the batteries replacement

## DIMENSIONS (mm)

### Front view

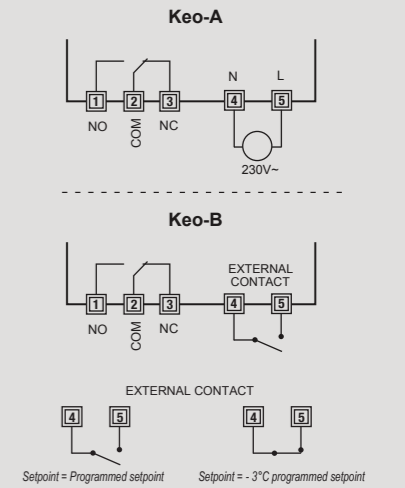


### Side view



## CONNECTION DIAGRAM

### Diagram



# CLIMATE CONTROL

## TECHNICAL INFORMATION

### FLUSH-MOUNTING THERMOSTATS

- Power supply:
  - 230 Vac 50/60 Hz for model Keo-A
  - 2 x 1.5V (AAA type) for model Keo-B
- Regulation mode summer/winter/off
- Temperature regulation
  - ON/OFF with fixed differential at 0.3°C
  - proportional with band 0.8°C and 8 minutes time base
  - Proportional with band 1.5°C and 15 minutes time base
- Off function with regulation on antifreeze temperature
- Bistable output relay contact 5A / 250 Vac
- Possibility to limit the settable setpoint values
- Input for clean contact for the reduction of the setpoint of 3°C (Keo-B only)

### Placche adattabili

ABB Chiara series	Bticino Livinglight Air series*
ABB Mylos series	Bticino Matix series
Ave S44 series	Gewiss Chorus series
Bticino Axolute series	Vimar Eikon series
Bticino Light series	Vimar Eikon Evo series
Bticino Light tech series	Vimar Idea series
Bticino Living series	Vimar Plana series
Bticino Livinglight series	Vimar Arké series

\* by mount you can buy on request

For information about the possibility to use different plates contact the technical assistance

Code	Model	Description	Colour	Power supply
VN171500	Keo-A	Electronic thermostat with knob	White/Grey	230 V~
VN170700	Keo-B	Electronic thermostat with knob	White/Grey	Batteries
VE602900	Fr.Keo	Silver cover and knob	Argento	
VE470100	AIR	Mount for the use of the plate Bticino Livinglight Air series		

### GENERAL CHARACTERISTICS

Keo-A		
Power supply	V AC	230 (-15% ÷ +10%)
Frequency	Hz	50/60
Mounting		flush
Maximum cables section	mm <sup>2</sup>	1.5
Output relay capacity		5A / 250 V
Digital input		-
Operating mode		summer/winter /off
Setpoint range	°C	5 ÷ 35
Differential (fixed)	°C	0.3
Measurement precision	°C	0.5
Antifreeze temperature (fixed)	°C	2
Operating temperature	°C	0 ÷ 50
Storage temperature	°C	-10 ÷ 65
Operating humidity	RH	20% ÷ 90% non condensing
Protection degree		IP40

Keo-B	
Alkaline batteries power supply	2 x 1.5V (AAA)
Battery life	months 12
Mounting	flush
Maximum cables section	mm <sup>2</sup> 1.5
Output relay capacity	5A / 250 V
Digital input	for setpoint reduction
Operating mode	summer/winter/off
Setpoint range	°C 5 ÷ 35
Differential (fixed)	°C 0.3
Measurement precision	°C 0.5
Antifreeze temperature (fixed)	°C 2
Operating temperature	°C 0 ÷ 50
Storage temperature	°C -10 ÷ 65
Operating humidity	RH 20% ÷ 90% non condensing
Protection degree	IP40

### REFERENCE STANDARDS

Compliance with Community Directives: 2006/95/EC (Low Voltage) 2004/108/EC (E.M.C.) is declared with reference to the following standards: • EN 60730-2-9