

# Electronic thermostats

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.

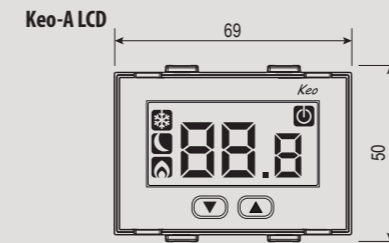


## KEO LCD

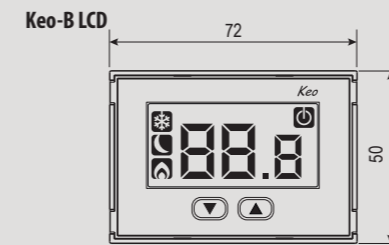
- 1 Installation in flush-mounting 3 modules box (503 type)
- 2 Supports to adapt the instrument to the plates of the main civil series
- 3 Wide display with backlighting:
  - always on of blue colour (eventually removable) for Keo-A LCD
  - active by pressing the keys of blue colour for Keo-B LCD
- 4 Terminals on the back of the instrument for the connection of the output relay, of the power supply (for Keo-A LCD only) and to the auxiliary input (for Keo-B LCD only)
- 5 Interchangeable cover available in white and anthracite grey colours (included in the package) and silver (you can buy separately)

## DIMENSIONS (mm)

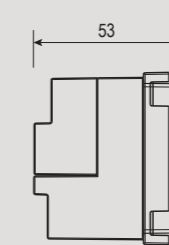
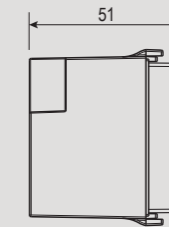
### Front view



### Keo-B LCD

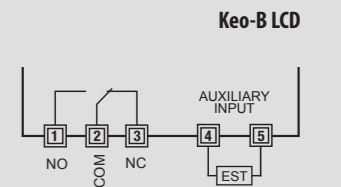
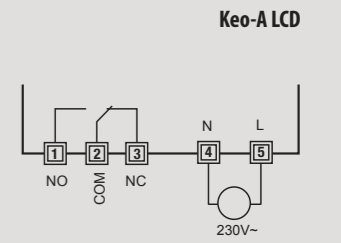


### Side view



## CONNECTION DIAGRAM

### Diagram



## CLIMATE CONTROL

### FLUSH-MOUNTING THERMOSTATS

- Power supply:
  - 230 Vac 50/60 Hz for model Keo-A LCD
  - 2 x 1.5 V (AAA type) for model Keo-B LCD
- Regulation mode summer/winter/off
- Temperature regulation of ON/OFF or proportional type
- Off function with regulation on antifreeze temperature (settable)
- Bistable output relay 5A / 250 Vac
- Two levels of protection against unwanted changes:
  - possibility to limit the values settable as setpoint
  - possibility to set a keypad lock by password
- Auxiliary input can be programmed to connect a temperature probe (eg. X.Temp) or an external contact to reduce setpoint of 3°C (Keo-B LCD only)

### Adaptable plates

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
VE558300	Keo-A LCD	Thermostat with backlit display	White/Grey	230 V~
VE267100	Keo-B LCD	Thermostat with digital input	White/Grey	Batteries
VE603700	Fr.Keo-A LCD	Silver cover for Keo-A LCD	Silver	
VE763000	Fr.Keo-B LCD	Silver cover for KeoB LCD	Silver	
VE470100	AIR	Mount for the use of the plate Bticino Livinglight Air series		

## TECHNICAL INFORMATION

### GENERAL CHARACTERISTICS

#### Keo-A LCD

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
Auxiliary input		-
Operating mode		summer/winter/off
Setpoint range	°C	2 ÷ 35
Differential	°C	0.1 ÷ 1
Measurement temperature resolution	°C	0.1
Measurement precision	°C	0.5
Antifreeze temperature	°C	1 ÷ 10, removable
Operating temperature	°C	0 ÷ 50
Storage temperature	°C	-10 ÷ 65
Operating humidity	RH	20% ÷ 90% non condensing
Protection degree		IP40

#### Keo-B LCD

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
Auxiliary input		to reduce setpoint / external probe
Operating mode		summer/winter/off
Setpoint range	°C	2 ÷ 35
Differential	°C	0.1 ÷ 1
Measurement temperature resolution	°C	0.1
Measurement precision	°C	0.5
Antifreeze temperature	°C	1 ÷ 10, removable
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: 2014/35/EU (LVD), 2014/30/EU (EMCD) is declared with reference to the following standards: • EN 60730-2-9