

# Digital chronothermostats

IRIDE

Serie of touch screen electronic chronothermostats with weekly programming and flush-mounting on 3 modules 503 box designed for temperature control both in heating and cooling, available both in AC power supply and battery.



- 1 Installation in flush-mounting three modules box
- 2 Supports to adjust the instrument to the most common civil series plates
- 3 Touch screen display to view the measured temperature for the programming of the instrument
- 4 Terminals in the back of the instrument for connection to the relay output, power supply (Iride 230 only) and external contact (Iride only)
- 5 Interchangeable front panel available in white and anthracite grey colours (included in the package) and silver (you can buy it on request)
- 6 Display with backlighting:
  - multicolour red, green, blue for Iride 230
  - monocolour blue on with a touch for Iride



## FLUSH-MOUNTING TOUCH SCREEN CHRONOTHERMOSTATS

- Power Supply:
  - Iride 230: 230 Vac 50/60 Hz with charge reserve ( for blackout) of 2 days
  - Iride: 2x1.5V ( AAA type) with charge reserve ( for battery replacement) of 1 minute
- Summer/winter regulation mode
- Automatic programming with:
  - 7 programs for winter mode (modifiable)
  - 7 programs for summer mode (modifiable)
- Temperature regulation of ON/OFF type or proportional
- 5 settable temperatures:
  - T1 ,T2 ,T3 in automatic operation
  - Tm in manual operation
  - Toff in off mode (antifreeze temperature, removable)
- Minimum interval of regulation: 1 hour
- Switching delay settable among 15, 30 or 45 minutes (independent for each hour)
- Bistable relay output 5A / 250 Vac
- Password protected lock keypad
- Automatic summer/winter time change
- Input to switch on and to switch off the chronothermostat remotely by telephone dialler (batteries Iride only)

### Adjustable 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 Ark series                |

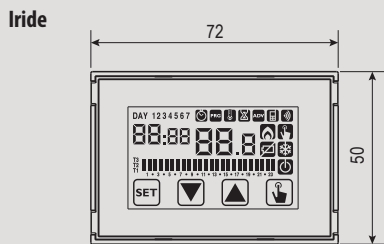
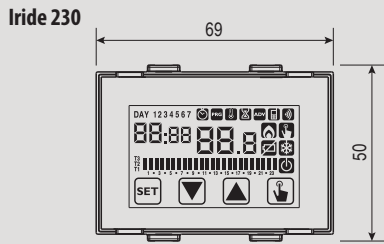
\* by mount you can buy on request (code VE470100)

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

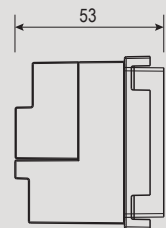
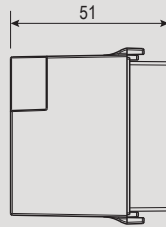
| Code     | Model        | Description   | Colour     | Power supply |
|----------|--------------|---|------------|--------------|
| VE457800 | Iride 230    | Touch screen weekly chronothermostat with multicolour display | White/Grey | 230 V~       |
| VE456000 | Iride        | Touch screen weekly chronothermostat with backlit display     | White/Grey | Batteries    |
| VE468500 | Fr.Iride 230 | Silver painted front panel for Iride 230                      | Silver     |              |
| VE762700 | Fr.Iride     | Silver painted front panel for Iride                          | Silver     |              |
| VE470100 | AIR          | Mount for Bticino plate use Livinglight Air series            |            |              |

## DIMENSIONS (mm)

### Front view

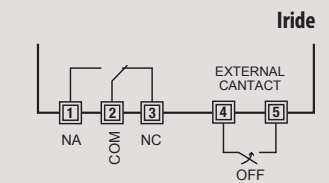
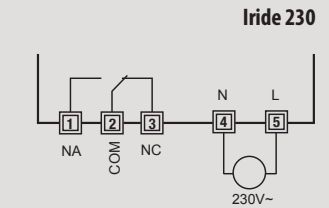


### Side view



## CONNECTION DIAGRAM

### Diagram



## TECHNICAL INFORMATION

### GENERAL CHARACTERISTICS

|                                    |                         |           |                            |
|------------------------------------|-------------------------|-----------|----------------------------|
| Power supply                       | Iride 230               | V AC      | 230 (-15% ÷ +10%) 50/60 Hz |
|                                    | Iride                   | Batteries | 2 x 1.5V (AAA type)        |
| Mounting                           | flush                   |           |                            |
| Maximum cable section              | mm <sup>2</sup>         |           | 1.5                        |
| Programming                        | weekly                  |           |                            |
| Operating mode                     | summer/winter/off       |           |                            |
| Regulation type                    | ON/OFF or proportional  |           |                            |
| Differential                       | °C                      |           | 0.1 ÷ 1                    |
| Settable temperatures              | 3 + manual + antifreeze |           |                            |
| Setpoint range                     | °C                      |           | 2 ÷ 35                     |
| Measurement temperature resolution | °C                      |           | 0.1                        |
| Measurement precision              | °C                      |           | 0.5                        |
| Antifreeze temperature (removable) | °C                      |           | 1 ÷ 10                     |

|                            |                                    |                          |
|----------------------------|------------------------------------|--------------------------|
| Programming resolution     | 1 hour                             |                          |
| Switch on delay            | 15, 30 or 45 minutes               |                          |
| Output relay capacity      | 5A / 250V (bistable)               |                          |
| Clock precision            | ± 1 s/day                          |                          |
| Digital input (Iride only) | for instrument switch off remotely |                          |
| 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 60730-2-7 • EN 60730-2-9