

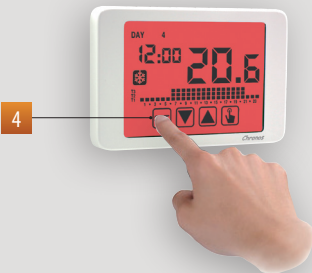
# Digital programmable thermostats

CHRONOS

Series of touch screen electronic programmable thermostats with weekly programming and wall-mounting designed for temperature control both in heating and cooling.  
Available in white and black colours with AC power supply or battery.

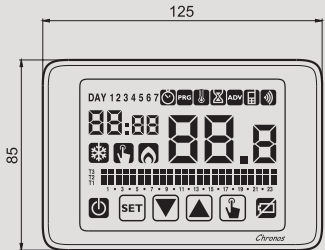


- 1 Plastic base for wall-mounting or to cover the in-built three modules box
- 2 Wide backlit touch screen display to view the status of operating , time and day and measured temperature
- 3 Terminals in the back of the instrument for connection to the relay output, power supply (230V models only) and external contact (battery models only)
- 4 Touch screen keyboard for the instrument programming

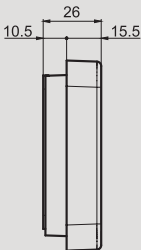


## DIMENSIONS (mm)

### Front view

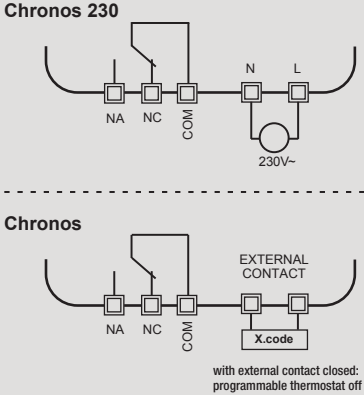


### Side view



## CONNECTION DIAGRAM

### Diagram



# CLIMATE CONTROL

## WALL-MOUNTING TOUCH SCREEN PROGRAMMABLE THERMOSTATS

- 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)
- Monostable relay output 5A / 250 Vac
- Password protected lock keypad
- Automatic summer/winter time change

### Chronos 230

- Power supply: 230Vac 50/60Hz
- Charge reserve (in case of black-out): 2 days about
- Display with multicolour backlighting red, green, blue changeable according to the difference between the measured temperature and the programmed setpoint



### Chronos

- Power supply: 2x1.5V (AAA type)
- Charge reserve (for battery replacement): 1 minute
- Display with blue backlighting (activation after a key pressure)
- Digital input for clean contact with whom to switch on / to switch off the programmable thermostat remotely by telephone (see accessories X.code Wave, X. code BUS)



Code	Model	Description	Colour	Power supply
VE453700	Chronos 230 Bianco	Touch screen weekly programmable thermostat with multicolour display	White	230 V~
VE454500	Chronos 230 Nero	Touch screen weekly programmable thermostat with multicolour display	Black	230 V~
VE451100	Chronos Bianco	Touch screen weekly programmable thermostat with backlit display	White	Batteries
VE452900	Chronos Nero	Touch screen weekly programmable thermostat with backlit display	Black	Batteries

## TECHNICAL INFORMATION

### GENERAL CHARACTERISTICS

Power supply	Chronos 230	V AC	230 (-15% ÷ +10%) 50/60 Hz
	Chronos	Batteries	2 x 1.5V (AAA type)
Mounting	wall		
Maximum cable section	mm²		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 / 250 V (monostable)	
Clock precision	± 1 s/day	
Digital input (Chronos 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: 2006/95/EC (Low Voltage) and 2004/108/EC (E.M.C.) is declared with reference to the following standards: • EN 60730-2-7 • EN 60730-2-9