

/ Description

Weekly chronothermostat with integrated humidity sensor which allows to perform the temperature regulation and the environment humidity control through two independent relays.

The first relay is controlled by the setting of the temperature while the second relay is activated when humidity threshold is reached and, according to the setting as maximum or minimum instrument, it can control for example a dehumidifier or a humidifier.

/ Functionality

GENERALS

- Battery power supply 1x1,5V (AA type)
- Two outputs:
 - bistable relay with change-over contact from 5A / 250Vac (chronothermostat)
 - bistable relay normally open from 5A / 250Vac (humidostat)
- Automatic summer/winter time change
- Key lock for installations in public place

CHRONOTHERMOSTAT FUNCTIONALITY

- 3 operating mode:
 - Automatic (on 3 value of temperature)
 - Manual (with manual temperature)
 - Off (with antifreeze temperature)
- Programming:
 - 7 programs for winter mode (modifiable)
 - 7 programs for summer mode (modifiable)
- Operating mode summer/winter
- Timed operation (manual, automatic, off)
- Switching delay settable among 15, 30 or 45 minutes (independent for each hour)
- Temperature regulation of ON/OFF type or proportional

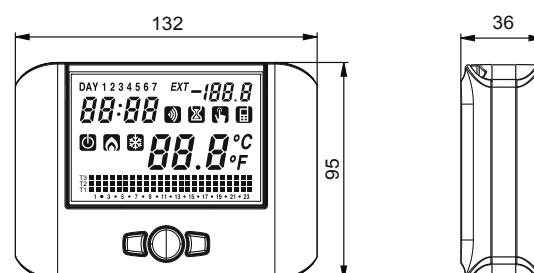
HUMIDISTAT FUNCTIONALITY

- Humidity regulation of on-off type with differential settable between 5% and 20% RH
- Setting range: 30 ÷ 90% RH or off
- Operating mode (minimum instrument - humidifier or maximum instrument - dehumidifier) settable by menu
- Minimum time between a switching and the next one: 1 minute

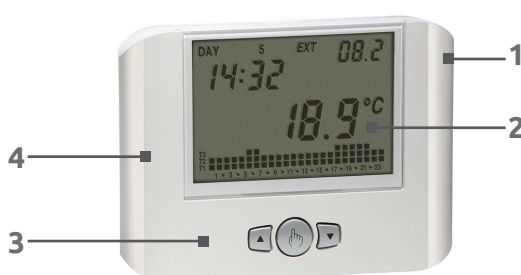


/ Codes and dimensions

Art.	Code	Voltage
P419	88P4190199	Battery Power



/ Components



- 1 - Plastic base for wall-mounting or fastening on 503 box (or similar)
- 2 - Wide display to view the status of operating, time and day, temperature and humidity present in the environment
- 3 - Keyboard hidden under the front panel for the programming of the instrument
- 4 - Available in two colours: white and black

/ Technical features

GENERALS

Battery power supply		1 battery x 1,5 V (AA type)
Charge reserve	min	1
Fastened		Wall / 503 box
Protection degree	IP	XXD
Operating temperature	°C	0 ÷ +50
Storage temperature	°C	-20 ÷ +65
Relative humidity	HR	20 ÷ 90% non condensing

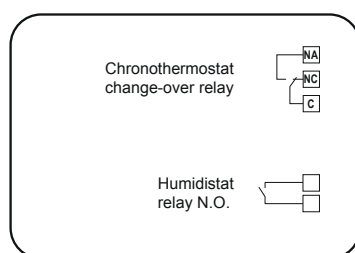
HUMIDISTAT

Setting range	HR	Off, 30% ÷ 90%
Settable differential	HR	5% ÷ 20%
Time between two switchings	min	1
Precision	HR	± 3%
Resolution	HR	1%
Bistable relay capacity N.O. at 250Vac	A	5

CHRONOTHERMOSTAT

Programming		weekly
Operation		summer/winter
Settable temperatures		3 + antifreeze + manual
Temperature measurement	°C	0 ÷ +50
Measurement precision	°C	0,5
Temperature resolution	°C	0,1
Programming resolution	h	1
Gap between two temperature measurements	s	20
Switch on delay	min	15, 30, 40
Regulation type		ON-OFF or proportional
Settable differential	°C	0,1 ÷ 1
Band (in proportional)	°C	0,5 ÷ 5
Period (in proportional)	min	10, 20, 30
Change-over relay capacity at 250Vac	A	5

/ Wiring diagram



/ Applicable standards

La conformità alle Direttive Comunitarie: 2006/95/CE (Bassa Tensione), 2004/108/CE (Compatibilità Elettromagnetica) è dichiarata in riferimento alle Norme seguenti:

- Sicurezza e Compatibilità E.M.: CEI EN 60730-2-7 / CEI EN 60730-2-9 / CEI EN 60730-2-13