

# Electronic thermostat

## P416

### / Description

Electronic wall-mounting thermostat designed for environment temperature control both for heating and cooling.

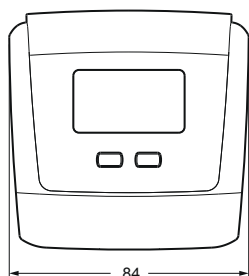
### / Functionality

- Power supply: battery - 2 x 1,5 V (type AAA)
- Operating mode: summer/winter/off
- ON/OFF or proportional temperature regulation
- Off function with antifreeze temperature (adjustable)
- Bistable output relay 5 A/250 V AC
- Two protection levels against undesired modifications:
  - to limit the range of settable value as setpoint
  - to se the keypad lock by password
- Digital input to reduce the chosen setpoint of 3°C through external contact

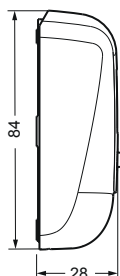


### / Codes and dimensions

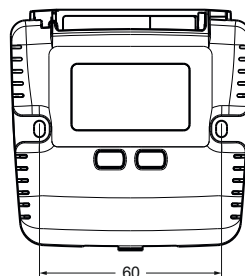
Art.	Code	Voltage
P416	88P4160199	Battery power



Front view



Side view



Rear view

### / Components

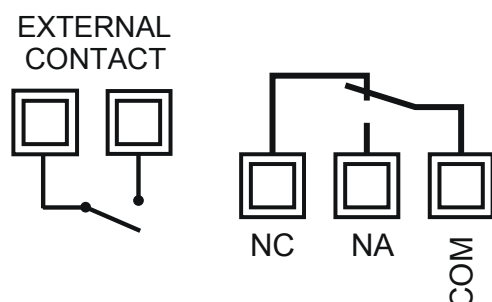


- 1 - Wall-mounting installation
- 2 - Terminals are in the back of the instrument for the connection to the external contact
- 3 - Keypad for the instrument programming
- 4 - Display to view the measured temperature and the programming parameters

## Technical features

Alkaline batteries power supply:		2 x 1,5V (AAA)
Battery life:	months	12
Mounting:		wall
Maximum cable 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	2 ÷ 35
Differential:	°C	0,1 ÷ 1
Measured 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

## Wiring diagram



With external contact closed:  
Setpoint = Programmed setpoint -3°C

## Applicable standards

Compliance with Community Directives: 2006/95/CE (Low Voltage), 2004/108/CE (E.M.C.) is declared with reference to the following standards:

- EN 60730-2-9