



## PH18 Short

### COLUMN CONTROLLER FOR ELECTRIC RADIATOR WITH FLUID INERTIA

Digital control panel on the top of the column, back-lit screen 7 day and daily programme, opened window detection, gauge and power consumption indication in kWh



#### Overview

##### Main features

- Ambient temperature control
- Desired temperature setting
- Power On / Standby
- Operating modes selection
- Programming integrated or can be programmed remotely using a 6-order pilot wire

##### Application

- Electric radiator with fluid inertia

##### Benefits

- **Sober and simple style:** the top fits in harmoniously with the column style
- **Ergonomic settings:** the controls are located on the top of the column and are protected by a see-through cover
- **Backlit screen:** easy to read
- **"Smart" electronic control:** this means stable and accurate temperature in the room all year round
- **Energy Saving Pack**
- **Active memory:** clock and settings are saved by EEPROM in case the mains power supply goes off

### Functional specifications

#### Use



<b>Energy consumption gauge</b>	Automatic indication of the level of energy consumption depending on the setting temperature
<b>Power consumption indication in kWh</b>	Posting of the estimated amount of energy consumed in kWh since the last reset to 0 of the energy meter
<b>Opened window detection</b>	Automatic switching to Frost protection mode when a significant drop in temperature is detected
<b>7 say and daily programme</b>	<b>Five different pre-set program profiles for each day of the week:</b> P1, P2, P3, non-stop Comfort Mode, non-stop Eco (economy) Mode Mode P1, P2 and P3 can be customised Manual and temporary overriding of a programme.
<b>Operating mode</b>	Auto (Programming), Comfort, Eco (Economy), Frost protection, Standby mode
<b>Desired temperature setting</b>	Preset at 19°C, adjustable from +7°C to +30°C
<b>Help for the visually impaired</b>	- <b>The button power on/standby mode is in relief</b> to be easily identifiable to the touch - <b>Audible beeps</b> indicating the change from the standby mode to active mode
<b>Safety</b>	- <b>Child anti-tamper:</b> keypad locking - <b>Settings safety:</b> - Min. and Max limits of the adjustment range of the Comfort setting temperature - Customizable PIN code locking (prevents access to the Comfort mode, advanced and expert settings) - <b>Backup in case the mains power supply goes off :</b> - The whole of settings and programming : permanent backup - Current time and date : backup time of 16hrs typical - <b>Internal protection against any overheating</b>

#### Installation

Column assembly directly on the radiator

Connection to the heating cartridge by faston

#### Advanced settings

<b>Min. setpoint temperature</b>	<b>Preset at +7°C</b> , adjustable from +7°C to +15°C
<b>Max. setpoint temperature</b>	<b>Preset at +30°C</b> , adjustable from +19°C to +30°C
<b>Eco mode temperature lowering level</b>	<b>Preset at -3,5°C</b> , adjustable from -1°C to -8°C
<b>Frost protection temperature</b>	<b>Preset at +7°C</b> , adjustable from +5°C to +15°C



<b>Automatic window-opening detection</b>	Enabled by default, can be disabled
<b>Backlighting</b>	<b>2 settings:</b> - <b>Temporary backlighting (default setting):</b> backlight of the screen when a button is pressed - <b>Non-stop backlighting:</b> backlight of the screen all the time
<b>PIN code locking</b>	Initialization - Customization - Activation and deactivation

## Expert settings

<b>Temperature adjustment</b>	Ambient temperature sensor adjustment
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## Technical specifications

### Dimensional and finish specifications

<b>Height</b>	432 mm
<b>Width</b>	76 mm
<b>Depth</b>	96 mm
<b>Color</b>	White
<b>Net weight</b>	1.84 Kg

### Power supply

<b>Operating voltage</b>	230V AC+/-10% 50Hz
<b>Maximum power</b>	2000W resistive load
<b>Power cord</b>	900mm: 3 conductors

### Control

<b>Control type</b>	Electronic TPI (Time Proportional and Integral) control, triggered by a triac
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### Environment

<b>Protection rating</b>	IP24 after installation under the responsibility of an integrator
<b>Class</b>	Class II after installation under the responsibility of an integrator
<b>Operating temperature</b>	0°C to 60°C
<b>Temperature setting range</b>	+7°C to +30°C
<b>Storage temperature</b>	-20°C to +70°C
<b>Programming</b>	5 programming profiles
<b>NTC electronic temperature sensor</b>	

### Applicable directives

<b>EMC</b>	2014/30/EU
<b>LVD</b>	2014/35/EU
<b>RoHS</b>	RoHS 2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU

### Applicable standards

<b>EMC</b>	EN55014-1 ; EN55014-2 ; EN61000-3-2 ; EN61000-3-3
<b>LVD</b>	EN60335-1 ; EN60335-2-30 ; EN62233
<b>RoHS</b>	EN IEC 63000
<b>Manufacturing</b>	On certified site ISO 9001 V2015

## Product code

Code	Description
<b>COAPH18SND</b>	Programmable digital right-hand column, white, for radiator with fluid inertia, Class II, 96mm, 6 orders-pilot wire

*Decorative left-hand column available on request.*

**Product customization (style, features) possible on request. Please contact us.**