



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



Automatic window-opening detection	Enabled by default, can be disabled
Backlighting	<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
PIN code locking	Initialization - Customization - Activation and deactivation

## Expert settings

Temperature adjustment	Ambient temperature sensor adjustment
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## Technical specifications

### Dimensional and finish specifications

Height	432 mm
Width	76 mm
Depth	96 mm
Color	White RAL 9016
Net weight	1.84 Kg

### Power supply

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

### Control

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

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

### NTC electronic temperature sensor

### Applicable directives

EMC	2014/30/EU
LVD	2014/35/EU
RoHS	2011/65/EU

### Applicable standards

EMC	EN55014-1 ; EN55014-2 ; EN61000-3-2 ; EN61000-3-3
LVD	EN60335-1 ; EN60335-2-30 ; EN62233
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

## Product code

Code	Description
COAPH18SND	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.