



PH24

Version with occupancy detection



Version without occupancy detection

SMART COLUMN CONTROLLER FOR DRY ELECTRIC RADIATOR

Top-position control panel, backlit screen, integrated weekly and daily programming, open window detection, energy consumption gauge and power consumption indication in kWh

Version with occupancy detection : self-learning process with dual optimization function - occupancy detection

Overview

Main features

- Ambient temperature control
- Desired temperature setting
- Power On / Standby
- Operating modes selection
- Automatic and self-learning programming, customized integrated programming or can be programmed remotely using the 6-order pilot wire

Application

- Dry electric radiator

Benefits

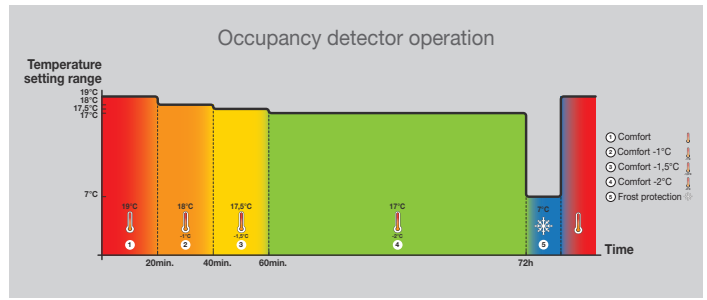
- **Sober and simple style:** the top fits in harmoniously with the column style
- **Ergonomic settings:** the controls are located on the top of the column
- **Backlit screen:** easy to read
- **"Smart" electronic control:** this means stable and accurate temperature in the room all year round
- **Energy Saving Pack: comfort, performance, energy savings**
- **Auto-programming:** automatic programming by self-learning of the lifestyle (version with occupancy detection)
- **Active memory:** clock and settings are saved by EEPROM in case the mains power supply goes off

Functional specifications

Use



Desired temperature setting	Preset at 19°C, adjustable from +7°C to +30°C
Operating mode	Auto (Programming), Comfort, Eco (Economy), Frost protection, Standby mode
Energy consumption gauge	Automatic indication of the level of energy consumption depending on the setting temperature
Power consumption indication in kWh	Posting of the estimated amount of energy consumed in kWh since the last reset to 0 of the energy meter
Open window detection	Automatic switching to Frost protection mode when a significant drop in temperature is detected
Aeration function	Manual aeration cycle can be activated at any time
Weekly and daily programming	Five different pre-set program profiles for each day of the week: 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.
Help for the visually impaired	- The button power on/standby mode is in relief to be easily identifiable to the touch - Audible beeps indicating the change from the standby mode to active mode
Safety	- Child anti-tamper keypad locking - Settings safety: - 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)



Safety	<ul style="list-style-type: none"> - Backup in case the mains power supply goes off : <ul style="list-style-type: none"> - The whole of settings and programming : permanent backup - Current time and date : backup time of 16hrs typical - Internal protection against any overheating
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Version with occupancy detection

Occupancy detection	During an unoccupied period, the setting temperature is automatically and progressively decreased
Auto-programming	As soon as the device is switched on and without any initial adjustment, the device is in learning mode to understand and memorize the user's lifestyle. The integrated smart algorithm is going to analyze this information in real time in order to optimize and adapt the programme for the coming weeks
Dual optimization feature	Depending on different parameters of the room, the controller calculates and optimizes the programming of Comfort and economy periods (Eco) according to the choice of the user; Eco oriented , priority to savings or Comfort oriented , priority to comfort

Installation

Column holder supplied , to be mounted directly on the radiator
Easy to install: Waiting position when mounting column to facilitate the connexion to the electric cartridge
Connection to the heating electric cartridge by faston

Advanced settings

Min. setpoint temperature	Preset at +7°C , adjustable from +7°C to +15°C
Max. setpoint temperature	Preset at +30°C , adjustable from +19°C to +30°C
Eco mode temperature lowering level	Preset at -3,5°C , adjustable from -1°C to -8°C
Frost protection temperature	Preset at +7°C , adjustable from +5°C to +15°C
Automatic window-opening detection	Enabled by default , can be disabled
Backlighting	3 settings: <ul style="list-style-type: none"> - Temporary backlighting 1 (default setting): backlight of the screen when a button is pressed or during occupancy detection - Temporary backlighting 2: backlight of the screen when a button is pressed - Non-stop backlighting: backlight of the screen all the time
PIN code locking	Initialization - Customization - Activation and deactivation

Version with occupancy detection

Occupancy detection	Enabled by default , can be disabled
Dual optimization feature	Comfort oriented by default , Eco oriented or can be disabled

Expert settings

Temperature adjustment	Ambient temperature sensor adjustment
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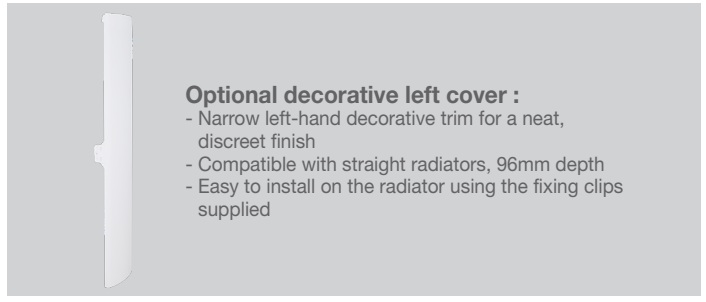
Technical specifications

Dimensional and finish specifications

Height	564 mm
Width	86 mm
Depth	96 mm
Colors	White
Net weight	1,06 Kg

Power supply

Operating voltage	230V AC +/-10% 50Hz
Maximum power	2000W resistive load
Power cord	Classe II: 1000mm, 3 conductors - Classe I: 1200mm 4 conductors



Optional decorative left cover :

- Narrow left-hand decorative trim for a neat, discreet finish
- Compatible with straight radiators, 96mm depth
- Easy to install on the radiator using the fixing clips supplied

Control

Control type	Electronic PID (Proportional Integral Derivative), triggered by a triac
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Environment

Protection rating	IP24 after installation under the responsibility of an integrator
Class	Class I of class II depending on version
Operating temperature	0°C to +50°C
Temperature setting range	+7°C to +30°C
Storage temperature	-20°C to +70°C
Programming	5 programming profiles
NTC electronic temperature sensor	

Product codes

Code	Description
COAPH242D	Digital programmable column, for dry electric radiator, CLII, depth 96mm
COAPH241D	Digital programmable column, for dry electric radiator, CLII, depth 96mm
COAPH241ID	Digital auto-programmable column with occupancy detection, for dry electric radiator, CLI, depth 96mm
COALCKA	Decorative left-hand column with fixing clips, for electric radiator, 96mm depth

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