PH18

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

- Ambiant 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

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
Opened window detection	Automatic switching to Frost protection mode when a significant drop in temperature is detected
7 say and daily programme	**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.
Operating mode	Auto (Programming), Comfort, Eco (Economy), Frost protection, Standby mode
Desired temperature setting	Preset at 19°C, adjustable from +7°C to +30°C
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)
	- **Backup in case the mains power supply goes off :**
	  - The whole of settings and programming : permanent backup
	  - Current time and date : backup time of 16hrs typical
	- **Internal protection against any overheating**

Installation

Column assembly directly on the radiator
Connection to the heating 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

Weekly 4-Zones programmer
Wireless radio-wave transmission
Sold separately

Frost protection temperature	Preset at +7°C, adjustable from +5°C to +15°C
Automatic window-opening detection	Enabled by defaul, can be disabled
Backlighting	**2 settings:** - **Temporary backlighting (default setting):** 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

Expert settings

Temperature adjustment	Ambient temperature sensor adjustment

Technical specifications

Dimensional and finish specifications

Height	580 mm
Width	76 mm
Depth	80 mm
Color	White RAL 9016
Net weight	1,4 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

Environment

Protection rating	IP24 after installation under the responsability of an integrator
Class	Class II after installation under the responsability 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
COCRMPH18ND	Programmable digital right-hand column, white, for radiator with fluid inertia, Class II, 80mm, 6 orders-pilot wire

Decorative left-hand column available on request.

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