



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

- 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



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|--|---|
| 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 day 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

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|--|---|
| 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 |



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|---|---|
| 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 | 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

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| Temperature adjustment | Ambient temperature sensor adjustment |
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Technical specifications

Dimensional and finish specifications

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| Height | 580 mm |
| Width | 76 mm |
| Depth | 80 mm |
| Color | White |
| Net weight | 1,4 Kg |

Power supply

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

Control

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

Environment

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| 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

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

Applicable standards

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

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.