PH13

CONTROLLER FOR ELECTRIC RADIANT PANEL HEATER

Analogue controller, with pilot wire 6 orders

Overview

Main features	Application
- Ambient temperature control - Desired temperature setting - Power On / Standby - Operating modes selection - Remote programming by means of a 6-order pilot wire	- Electric radiant panel heater

Benefits

- **"Smart" electronic controller:** this means stable and accurate temperature in the room all year round
- **Ergonomic settings** with the two rotary knobs
- **Robust:** the triac and relay zero crossing switching system optimize product life time
- **Easy to use**

Functional specifications

Use

Power on/Standby	
Set temperature	Adjustable from +7°C to +30°C with visible Comfort range, approximately 20°C
Operating modes	Standby, Auto (Programming), Comfort, Eco (Economy), Frost protection
Safety	**Internal protection against overheating faults by thermofuse** **Protection mode activated** in case of fault detection short cut or open on cartridge circuit detection **Integrated dewatering system**
Led status	Indicate mains presence, heating on
Relay	**Zero crossing voltage control** device to reduce electromagnetic disturbances

Installation

Housing assembly directly on the panel heater
Connection to the heating electric cartridge by faston

Connection detail

Technical specifications

Dimensional and finish specifications

Height	230 mm	
Width	80 mm	
Depth	36 mm	
Color	White	Black
Net weight	0,31 Kg	

Power supply

Operating voltage	230V AC +/- 10% 50Hz
Maximum power	1200W resistive load
Power cord	800mm : 3 conductors

Control

Control type	Electronic TPI (Time Proportional and Integral) control, triac triggered relay

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 +40°C
Temperature setting range	+7°C to +30°C
Storage temperature	-20°C to +70°C
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 codes

Codes	Descriptions
BXAPH13A2PLA	White analogue controller for electric radiant panel heaters, Class II, with pilot wire, triac and low noise relay
BXAPH13A2PBA	Black analogue controller for electric radiant panel heaters, Class II, with pilot wire, triac and low noise relay

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