Product datasheet

Specifications



Hotel Room Controller 28IO

HRCPBG28R

Main

Device application	Hotel
Net weight	380 g
Product or component type	Room controller
Height	110 mm
Directives	2006/95/EC - low voltage directive 86/188/EEC - physical agents (noise) directive
Width	144 mm
Mounting mode	DIN rail mount
Ambient air temperature for storage	-30…70 °C
Depth	60.5 mm
Ambient air temperature for operation	-20…60 °C
Flame retardance	Class D
IP degree of protection	IP20 modular enclosure conforming to IEC 60529
Network frequency	50/60 Hz
Relative humidity	5…95 % RH, non-condensing
Input type	8 x digital 8 x analog
Standards	EN/IEC 60730 CSA E60730-1 CSA E60730-1:ed. 13 CSA E60730-2-9 CSA E60730-2-9:ed. 1, 2011 UL 60730-2-9 UL 60730-2-9:2010 UL 60730-1 UL 60730-1:2009
Input voltage	24 V AC/DC
Output type	7 xdigital 1 xdigital 4 xanalog
Output voltage	250 V AC 0...10 V
Output current	3 A 1 A

Complementary

Input impedance	20000 Ohm
Output impedance	700 Ohm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Realtime clock	Built-in
Rated power in W	15 W
Rated operational power in VA	35 VA
Power consumption in W	15 W at 24 V AC/DC
Connector type	1 USB type A female 1 USB device port Mini-B
Local signalling	Programmable: 4 LED on power
Protection type	Sensor power supply: 24 V DC at 150 mA (by HRC cartridge) Sensor power supply: 5 V DC at 50 mA (by HRC cartridge)
Physical interface	1 Ethernet - RJ45 Modbus TCP and BACnet IP with webserver 2 RS485 - screw terminal block Modbus serial link or BACnet MS/TP 1 CAN - screw terminal block
[Ue] rated operational voltage	24 V AC (+/- 10 %) 20...38 V DC
Function available	Bell switch management Bedside panel integration and control DND/MUR management In-room tablet integration and control Light control Blind control

Environment

Overvoltage category	II
Pollution degree	2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.8 cm
Package 1 Width	9.2 cm
Package 1 Length	13.2 cm
Package 1 Weight	400 g

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins