

PCX-RIX8+PSU

Remote input expander with 2.5A power supply.



EN50131-3:2009
EN50131-1:2006+A1:2009
EN50131-6:2008
Security Grade 3
Environmental Class II



ENGLISH

References:

A INSTALL RIX (Programming Menu Required)

B Only required when powered with battery only

C LEDs:
Power = Green
RS485-in = Blue: Pulsing = Data OK. On = Not addressed.
Off = No data.
A-Fault = For future use.
RS485-out = Blue.
P-Fault = Red. Pulsing = Battery or PSU fault.

D Do not common the D2+ to the control panels 12V+ supply.

Specification

Supply Voltage: 9-15V DC
Current Consumption: 65mA
Inputs: Programmable
Inputs: DEOL, SEOL, NC, 3 Resistor
PGM1 to PGM4: 100mA each
PGM1 to PGM4 Normal State: 12v
PGM1 to PGM4 Active State: 0V
Power Supply Rating: 2.0A Continued and 2.5A in pick when charging battery

Transformer Rating: 44VA

Dimensions Box (H x W x D): 390 x 305 x 100mm

Dimensions PCB (H x W x D): 215 x 125 x 65mm

EN50131 Certified Grade III

Front and rear tamper protected with one tamper switch

PD6662:2010 Installations - Back up battery time = 12hrs providing that a mains fail signal is reported to the ARC.

A 17Ah battery, will support a maximum load of 1350mA for a period of 12 hours. EN50131-1:2006+A1:2009 Installations - Back up battery time = 30hrs providing that a mains fail signal is reported to the ARC.

A 17Ah battery, will support a maximum load of 497mA for a period of 30 hours. Installations which are not supported by an ARC mains fail reported signal = 60 hours. A 17Ah battery, will support a maximum load of 248mA for a period of 60 hours.

Warranty

This product is sold subject to our standard warranty conditions and is warranted against defects in workmanship for a period of two years. In the interest of continuing care and design, Pyronix Ltd reserves the right to amend specifications, without giving prior notice.

Product Warning Information

For electrical products sold within the European Community. At the end of the electrical products life, it should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice in your country.

Compatible Products

The PCX-RIX8+PSU can be connected to the following control panels/devices:
- PCX 46, PCX 76i, 162i, 280i, and IP panels, Enforcer 32-WE, V2 GSM
Each control panel/device connects via the RS485 bus terminals: D1-,D2+,D3,D4

Guidance

- Ensure wiring is done to the national wiring regulations in the country where the installation is taking place. In the UK, this is BS 7671 Requirements for electrical installations; IET Wiring Regulations (17th edition). If in doubt, consult a local qualified electrician.
- Ensure that a readily accessible disconnect device incorporated in the premises installation wiring shall be provided external to the equipment with a contact separation of at least 3,0mm and connected as closely as possible to the supply.
- Ensure that the wiring used to connect inputs to the Output Expander, is only connected to circuits operating at SELV voltage.
- When fixing external wires, ensure that means are provided in the installation to prevent the SELV or signal circuits from coming into contact with live parts of the power supply circuit. Wires shall be fixed near their terminal blocks.
- The end of stranded conductor shall not be consolidated by soft soldering at places where the conductor is subjected to contact pressure.
- On completion of wiring use tie-wraps to prevent any loose wires causing a safety hazard (material of cables tie shall be rated at least HB or better).
- Cables ties and hoses shall be separate for power supply cable and SELV wirings.
- Size of protective bonding conductors: minimum section 1.5mm².
- This product is for wall mounting installation only. Ensure that the mechanical mounting is suitable for the weight of the product. Use suitable fixings to fix to the surface and ensure that no pipes or wiring are present when drilling into the wall.



