

PCX-RIX8+PSU
PCXRIX8+PSU/S
EURO-ZEM8+PSU

Input Expander With
Power Supply

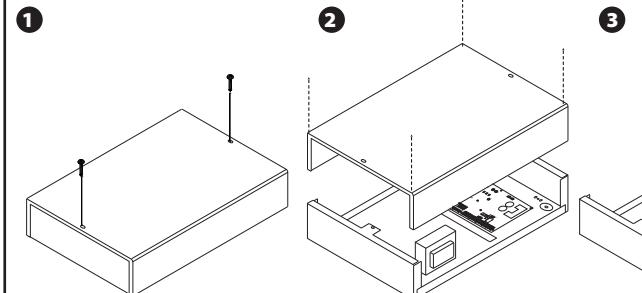
 Pyronix

UK
CA 

Revision 02

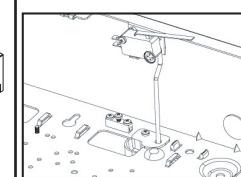


1) Opening the metal casing



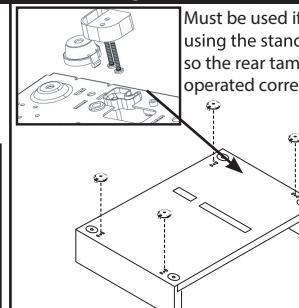
2) Rear Tamper

The new rear tamper mechanism comes already fitted and will operate properly once the casing is fitted to a wall

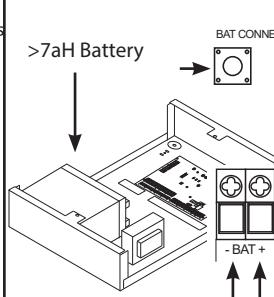


3) Mounting the stand offs

Must be used if using the stand offs so the rear tamper operated correctly.



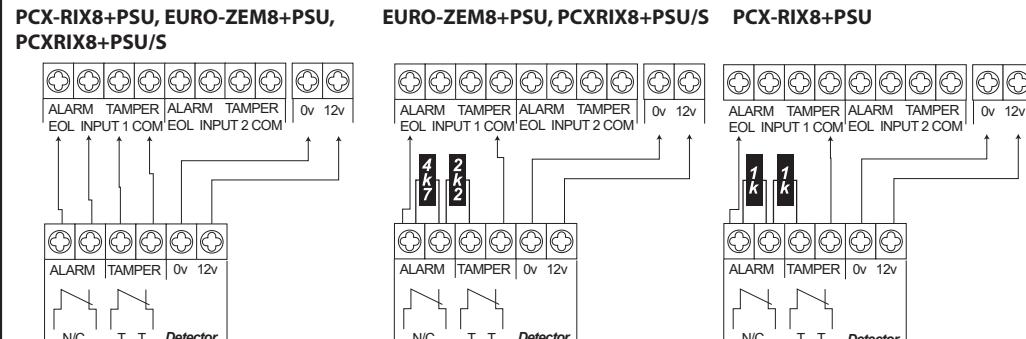
4) Connecting a Battery



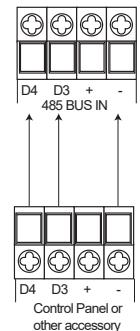
5) Guidance

- 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 Input 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.

6) Input Wiring Connections (Double Pole and DEOL)



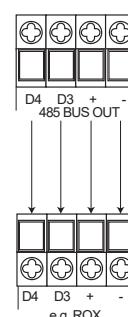
7) RS485 Bus Wiring



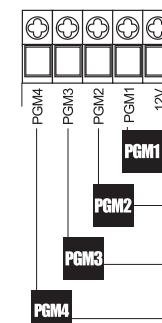
Repeater Disabled



Repeater Enabled
For future development



8) Output Wiring



9) LED Status

POWER (LED1)	485-IN (LED2)	A-FAULT (LED3)	485-OUT (LED4)	P-FAULT (LED5)
 GREEN	 BLUE	 RED	 BLUE	 RED

POWER: +12V supply

485 IN: Data "IN" OK

A FAULT: Fuse Faults

485 OUT: Data "OUT" OK

P FAULT: Power fault

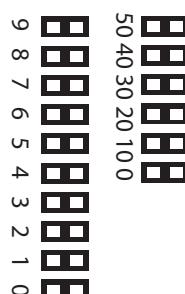
NOTE: All LEDs will be disabled when the tamper switch is closed

10) Engineer Operations



The Engineer Keypad connection allows a keypad to be directly connected at the RIX. The keypad must be addressed before it can be used.

11) Assigning Addresses



Address:

To address a ZEM/RIX, link out the headers as shown in the below example:

Address 04: 4  00 

Address 12: 2  10 

Address 20: 0  20 

NOTE: The tamper switch must be open when changing the address. The new address will then be confirmed when the tamper switch is closed

12) Technical Specification and Warranty

Mains	220-240AC 50Hz 230V AC 50Hz -15/+10% (certified)
Power Supply	2.5A
Fuse F1A	Slow Blow 500mA
Fuse F2A -F6A	800mA
Output	13.75V 1.7A Continuous
Battery Fuse	3.15A Quick Blow
Bus Fuse	1.25A Quick Blow
Outputs 1-4	100mA Each
Current Cons.	65mA

PD6662:2010 (12 hrs standby if notified by an ARC). For 17Ah =1350mA

13) Compliance

For electrical products sold within the European Community. At the end of the electrical products useful 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.

Suitable for use in systems installed to PD6662:2017, EN50131-1:2006+A1:2009; EN50131-6:2008 at Security Grade 3, Environmental Class II. Subject to the grading of the overall system.

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



14) Customer Support

Customer Support Line: 0333 444 1280

Hours: 8.00am - 6:30pm, Monday to Friday

customer.support@pyronix.com

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