Premier 4XP

4 Zone Expander

INSTALLATION INSTRUCTIONS

Texecom

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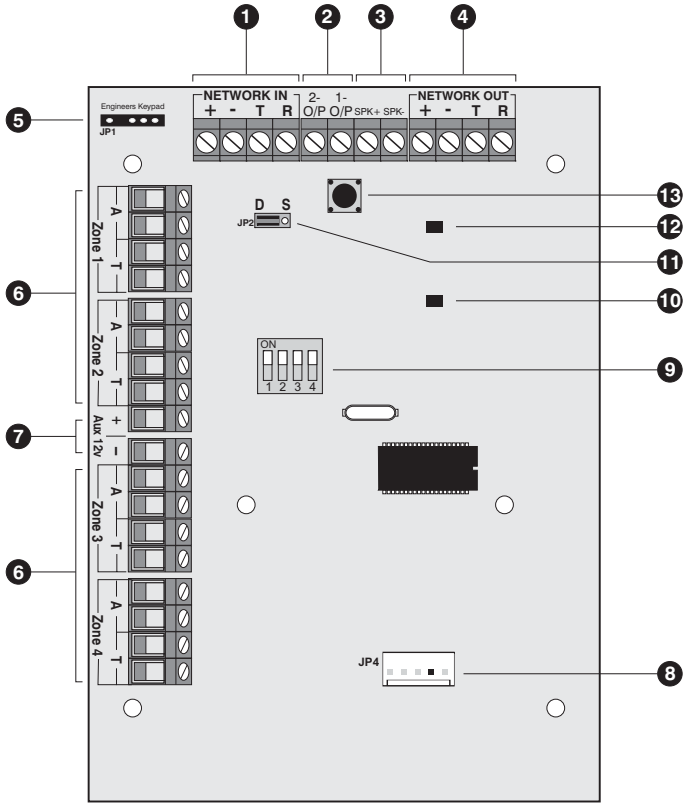
INS316

Introduction

The *Premier 4XP* expander is only compatible with the *Premier* series of control panels. Each expander provides up to four additional zones, two programmable low current outputs and extension loud speaker output connections.

PCB Layout and Connections

The figure below shows the PCB layout of the *Premier 4XP*:



① Network IN connection terminals.

② Outputs 1 and 2 (switched –ve @100mA).

③ Loud speaker output terminals.

④ Network OUT connection terminals.

⑤ Engineer's Keypad connector (JP1).

⑥ Zone inputs connection terminals.

⑦ Auxiliary 12V output terminals.

⑧ *RadioPlus Intelligent Receiver* connector (JP4).

⑨ Address selection switch.

⑩ *RadioPlus* received data indicator LED.

⑪ Star and Daisy jumper link (JP2).

⑫ Power indicator LED.

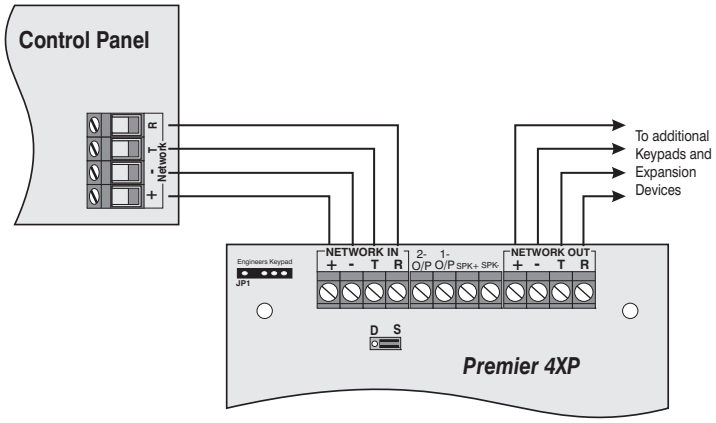
⑬ Case tamper switch.

Installation

1) It is strongly recommended that the system is completely powered down (mains and battery) before making any connections to the expander.
2) Remove the cover by pulling it away from the base at the top of the expander if required
3) Position the base in the required location and mark the four mounting holes. Remove the base and drill and plug the holes.
4) Pass all necessary cables through the cable entries and fix the base to the wall using not less than 30mm x No 8 screws.
5) Connect the network, zones, outputs and loud speaker cables.
6) Re-apply power to the system and program the zones, outputs etc.
7) Refit the front cover and secure with the screws provided.

Network Connections

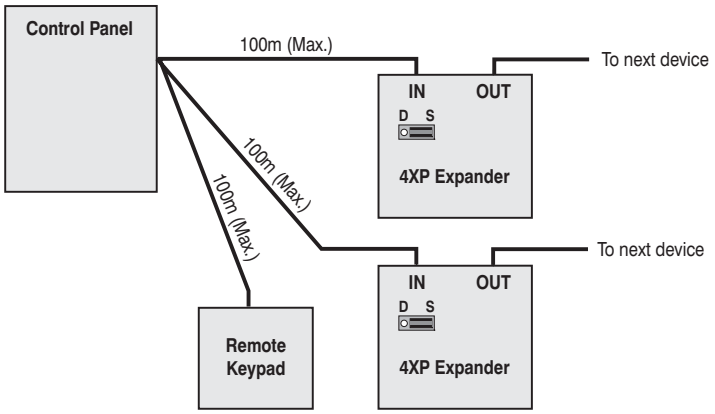
It is strongly recommended that the system is completely powered down (mains and battery) before wiring an expander. Connect the expander to the control panel using 4-core cable as follows:

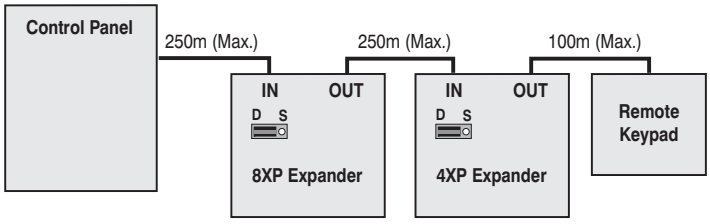


The PCB has a jumper JP2 which allows you to select either STAR (S) or DAISY (D) wiring configuration. The jumper should be set as follows:

STAR If the network IN connection is wired in parallel with any other device the jumper MUST be set to the **S** position.

DAISY If the network IN connection is only wired to one device the jumper should be set to the **D** position.





Network Address

Each expander must be assigned a different address using the address switches. The table below shows the expander addressing:

Address	DIL 1	DIL 2	DIL 3	DIL 4	Keypads
1	**On**	off	off	off	1 & 2
2	off	**On**	off	off	2 & 3
3	off	off	**On**	off	3 & 4
4	off	off	off	**On**	4 & 5
5	**On**	off	off	**On**	5 & 6
6	off	**On**	off	**On**	6 & 7
7	off	off	**On**	**On**	7 & 8
8	**On**	off	**On**	**On**	8

The *Premier 4XP* is will take up one or two keypad slots on a *Premier* control panel depending on the panel and address selected. For example, if the address is set to 3 the *Premier 4XP* will bee seen as keypads 3 and 4 on the control panel. The table below shows the number of keypads slots and maximum keypads supported on the *Premier* control panels:

Control panel	Keypad Slots per Network	Total Keypads
Premier 412	1 – 6	6
Premier 816	1 – 6	6
Premier 832	1 – 6	6
Premier 24	1 – 4	4
Premier 48	1 – 4	4
Premier 88	1 – 8	8
Premier 168	1 – 8	16
Premier 640	1 – 8	64

Zones

The four zone inputs are allocated to the selected keypads (see Network Address). The keypad zones with need to be either enabled or mapped. Please refer to the control panel Installation Manual for details on Keypad zones, zone wiring and zone programming.

Outputs

Two switched negative low current (100mA) are provided on the top edge of the PCB. The outputs are allocated to the selected keypads (see Network Address):

Address	O/P 1-	O/P 2-
1	Keypad 1 Output	Keypad 2 Output
2	Keypad 2 Output	Keypad 3 Output
3	Keypad 3 Output	Keypad 4 Output
4	Keypad 4 Output	Keypad 5 Output
5	Keypad 5 Output	Keypad 6 Output
6	Keypad 6 Output	Keypad 7 Output
7	Keypad 7 Output	Keypad 8 Output
8	Keypad 8 Output	N/A

Please refer to the control panel Installation Manual for details on wiring, programming and testing the outputs.

Loud Speaker

A set of terminals are provided on the top edge of the PCB for connection to a 16Ohm loud speaker. Please refer to the control panel Installation Manual for details on wiring, volume adjustment and testing the loudspeaker.

RadioPlus Intelligent Receiver

The *RadioPlus* Intelligent Receiver module can be plugged onto JP4 to allow integration of the RadioPlus wireless detectors and remote key fobs.

Specifications

Electrical

Operating Voltage:	10 -14VDC
Current Consumption:	25mA
Outputs 1 and 2:	100mA switched -ve
Loud Speaker Output:	Minimum impedance 8Ohms

Fuses

Auxiliary 12V:	500mA electronic PTC

Environmental

Operating Temperature:	-10°C to +55°C
Maximum Humidity:	95% non-condensing

Physical

Dimensions:	170mm x 140mm x 35mm
Material:	Polycarbonate
Packed Weight:	200g

Standards

Control Panel Standard:	TS 50131-3 Grade 3 Environmental Class II.
System Standard:	Suitable for use in systems designed to comply with BS EN50131-1, PD 6662: 20004

CE

The *Premier 4XP* conforms to European Union (EU) Low Voltage Directive (LVD) 73/23/EEC (amended by 93/68/EEC) and Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC).

The CE mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.

Warranty

All Texecom products are designed for reliable, trouble free operation. Quality is carefully monitored by extensive computerised testing. As a result the *Premier 4XP* are covered by a two-year warranty against defects in materials or workmanship.

As the *Premier 4XP* is not a complete alarm system but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the control panel failed to function correctly.

Due to our policy of continuous improvements Texecom reserve the right to change specification without prior notice.

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