

Installation Manual

Premier 8X

INS163-4



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INSTALLATION

The Premier 8X Expander is only compatible with the Premier range of control panels. Expanders can be connected serially (daisy chain), in parallel (star) or any combination of the two.

Mounting

Remove each screw cap by inserting a flat bladed screwdriver into the slot and turning anti-clockwise, excessive force is **NOT** required. Remove both of the cover screws and put them in a safe place along with the screw caps. Gently pull the cover away from the base applying slight pressure to the sides at the top of the expander if required. The front cover should now be off.

Mount the expander using at least two appropriate countersunk screws (no larger than No. 8). A keyhole slot has been provided to assist mounting and aid leveling.

Wiring

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

Expander	Control Panel	Description
+	+	+12V Supply
-	-	0V Supply
T	T	Transmit Data
R	R	Receive Data

The networks are made up of four terminals incorporating power and data. To ensure correct operation, all four terminals on the device must be connected to the corresponding terminals on the control panel or previous device. Expanders can be connected using 4-core cable. However, it is recommended that 6 or 8-core cable is used as the spare cores can be used to 'Double Up' on the power connections if needed.



Standard 7/0.2 alarm cable can be used for most installations. However, under certain conditions it may be necessary to use screened cable.

Selecting an Address

Each expander must be assigned a different address using the DIL switches located in the top left of the PCB. The table below shows the expander addressing:

Address	DIL 1	DIL 2	DIL 3	DIL 4	
1	On/Off	Off	Off	Off	
2	Off	On	Off	Off	
3	Off	Off	On	Off	



Never set two expanders on the same network to the same address. Expanders are factory set to address 1.

Zone Connections

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

Speaker Connections

The Premier 8X Expander has a speaker driver output and can be used for driving 8 or 16 Ohm loudspeakers.

Output Connections

The *Premier 8X* Expander has two programmable outputs, which can be used to drive auxiliary devices such as relays, LED's, Smoke Detectors etc.



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

Specifications

Electrical

Operating Voltage	9 - 13.9VDC
Current Consumption	Nominal: 50mA; In alarm with speaker: 180mA
Zones	8; EOL Resistor Value: 3K3
Speaker Output	Minimum load 4 Ω Maximum Current 325mA
Outputs	2; 100mA switched to 0V
Data Bus	4-wire up to 100m Star, Daisy Chain or any combination
Operating Temperature	-10°C to +45°C
Storage Temperature	-20°C to +60°C
Maximum Humidity	95% non-condensing
EMC Environment	Residential/Commercial/Light Industrial or Industrial

Standards



2004/108/EC (CE directive): Hereby, Texecom declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.



WEEE Directive: 2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

RoHS Directive: 2002/95/EC RoHS Compliant. Hereby, Texecom declares that this device does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated depheny ethers (PBDE) in more than the percentage specified by EU directive 2002/95/EC, except exemptions stated in EU directive 2002/95/EC annex.

This product Type B Moveable device. And is suitable for use in systems designed to comply with PD6662, EN 50131-1 & EN50131-3 at Grade 2 and Environmental Class II.

Warranty

All Texecom products are designed for reliable, trouble-free operation. Quality is carefully monitored by extensive computerised testing. As a result the *Premier 8X* Expander is covered by a two year warranty against defects in material or workmanship. As the *Premier 8X* Expander 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 *Premier 8X* Expander failed to function correctly. Due to our policy of continuous improvement Texecom reserve the right to change specification without prior notice.

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