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# INSTALLATION MANUAL

*Premier 8X*

**Zone Expander**



**Texecom**  
[www.texe.com](http://www.texe.com)

# 1. 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 over 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	
4	Off	Off	Off	On	
5	On	Off	Off	On	
6	Off	On	Off	On	
7	Off	Off	On	On	
8	On	Off	On	On	



NOTE

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.

Please refer to the control panel Installation Manual for details on wiring, volume adjustment and testing the loudspeaker.

## 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 outputs.

## 2. Specifications

### Electrical

<b>Operating Voltage</b>	9 - 13.7Vdc
<b>Current Consumption</b>	Nominal: 35mA; In alarm with speaker: 180mA
<b>Zones</b>	8; EOL Resistor Value: 3K3
<b>Speaker Output</b>	Minimum load 4Ω
<b>Outputs</b>	2; 100mA switched to 0V
<b>Data Bus</b>	4-wire up to 100m Star, Daisy Chain or any combination
<b>Operating Temperature</b>	-10°C to +45°C
<b>Storage Temperature</b>	-20°C to +60°C
<b>Maximum Humidity</b>	95% non-condensing
<b>EMC Environment</b>	Residential/Commercial/Light Industrial or Industrial

### Standards

Conforms to European Union (EU) 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, environmental 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 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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