

New Product Brief

Premier Elite LCDLP-W

Wireless Keypad with *Ricochet*® mesh technology

Texecom

PRODUCT FEATURES

- Completes 'wire free' Premier Elite systems
- Fully functional wireless keypad
- Engineers and end user keypad
- Can be used as a wireless arming station
- Ricochet Mesh technology
- Prox tag receiver
- Compact and Stylish
- Enables panel to be secured in locked area
- Long up to 5 year battery life
- Auto battery save and revive



The Texecom *Ricochet*® wireless mesh intruder alarm system is now complete with the introduction of the LCDLP-W wireless keypad. This is a fully functional wireless keypad that has the same footprint and style as the well known Premier Elite LCDLP system keypad. The wireless keypad is functionally equivalent to the wired keypad, both for engineer/installer operations and for the end user.

Installer benefits

- Reduce installation time - no cabling required
- Enables the panel to be located in a secure hidden area
- Identical user interface to a wired equivalent product
- Simple entry / exit process with prox reader
- Extend battery replacement time and reduce maintenance
- Mix and match wired and wireless to suit the system

User benefits

- Locate the keypad where it is most convenient.
- Long battery life, means less maintenance.
- Long range provides use cases in remote buildings.
- Users that are used to Texecom keypads will see no difference.
- Add keypads to a system to make the end users life simpler for entry and exit from buildings.

| Applications | Explanation |
|----------------------------|---|
| Main intruder alarm keypad | The keypad is fully functional and can therefore be used as the primary interface to your alarm system. |
| Aux keypad (Back door) | An additional wireless keypad can easily be added, whereas the cost to run cable to remote locations may have been prohibitive. This ensures that the property can be accessed from multiple locations without lengthening the entry time delay. |
| Remote building | Often a remote building is alarmed separately, and you need to be able to disarm that location separately, a keypad in that zone enables you to do that. With a wireless keypad it is now possible to extend your wireless alarm system to more remote buildings. |
| Mobile Engineers keypad | The keypad can be used as a mobile Engineers keypad, when the panel is in commissioning mode enabling the Engineer to have control of the panel as he completes walk tests. |

Compatibility

The wireless keypad extends the Ricochet communication protocol and therefore requires Premier Elite systems with **Expander version 3.1 or above**. This will be shipped from the factory after the 30th May 2017



Texecom products are designed and manufactured in the UK

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Benefits to End Users in detail

Installers are normally constrained for the location of the keypad by how they can get a cable to the keypad. With the LCDLP-W they are no longer constrained and are able to position it in the most convenient place for the End user.

The long battery lifetime means that the end user is unlikely to need to have the batteries replaced for over 3 years, ensuring that the maintenance and lifetime cost of their system can be minimised. Battery estimate of 3 years is based on 4 arm / disarm cycles a day.

The facility for longer range communication as an arming station extends the usefulness of the product to remote buildings.

| Features | Benefits to Installers |
|---|--|
| Wireless (868 & 866 MHz) | The use of the wireless network removes the need to cable from the panel and enables the panel to be put in a secure location. A key failing of a panel / keypad combined unit |
| Mesh network support | The product works best when connected as a Ricochet zone 1 to the panel. When used on Ricochet 2nd or 3rd hop the product can be used effectively as an Arming / Disarming station, extending the potential use of the product. |
| Common user interface to Texecom wired products | The installer doesn't need to re-learn a new user interface, it is identical in operation to the existing products. In addition it can be mixed and matched with wired and wireless products if that is required on the system. |
| Proximity tag capable | To enable easy entry / exit without the need to enter pin codes. |
| Long Lithium battery life | Between 3 and 5 year battery life ensuring that customers and installers can rely on the system and reduce maintenance visits. |
| Alternative battery support | The batteries can be replaced by standard Lithium AA cells to provide a battery life of up to 5 years. This provides the installer free choice to source and replace batteries with off the shelf cells. Alkaline AA cells can also be used battery lifetime will be less. |
| Auto Power save and Revive mode | The product immediately drops into power save after use to extend the battery life. The product revives automatically as soon as the first key press is entered. The panel will also revive when an entry process is started, enabling the user to immediately be able to see that they are in that mode. No waiting for the product to wake up. |
| All system keypads can be wireless | A system has a defined number of keypads that can be added (from 4 to 8) depending on panel model), these can be wired, wireless or a mixture of the two. |
| Engineers Wireless keypad | The product can be used in commissioning mode by an Engineer by learning the keypad to a zone and then the Engineer is free to walk around the site |

Part number

| Product | Description |
|----------|---------------------------------|
| GCE-0001 | Premier Elite LCDLP-W (868 Mhz) |
| GCE-0002 | Premier Elite LCDLP-W (866Mhz) |

System requirements and compatibility

The LCDLP-W can be used with any Premier Elite panel with V2.11 software or above.

The product requires version V 3.1.x or above of Ricochet wireless expander.

The product will not work with Premier 832, 816, 416 products.

All Premier Elite Ricochet wireless expanders and Wireless panels shipped from Texecom after 30th May 2017 will be compatible.

Products will be clearly labelled with:

"Ricochet wireless keypad compatible"

MOQ and multiples

Product is supplied in an outer box of 10, therefore an MOQ and multiple of 10 devices is required.



Use of the existing Premier Elite keypads - LCDLP and LCD

The Premier Elite wired keypads can still be used and “mix and matched” with the new Wireless keypad. Installers and end users now have the choice of which technology they would prefer to use, dependent on location and application.

Installation guidance

The use of the wireless keypad substantially improves the installation time for a Texecom wireless solution, by removing the need to cable to the wireless keypad, extending the benefits of wireless solutions. It also enables the location of the intruder panel in a secure or hidden location within the building, enhancing the security of the solution.

The wireless keypad utilises a keypad address just like a standard keypad, additional keypads should be addressed using the DIP switch on product. It also uses a wireless zone and is learnt to the panel in the same way that any Ricochet detector or device is learnt.

Recommended practice for best performance

Use a maximum of 4 wireless keypads on any one receiver (32XP-W or Panel expander)

Operation is optimised for when the keypad is configured with a direct connection to the receiver (Ricochet Zone 1)

Specifications

| | LCDLP-W 868 MHz | LCDLP-W 866M Hz |
|--------------------------|---|-------------------|
| Alarm System standards | EN50131-5-3, EN50131-1, PD6662, Grade 2 Class II | |
| Product Type | GCEA1000 | GCEA3000 |
| Part Codes | GCE-0001 | GCD-0002 |
| Frequency Band | 868.2 - 868.4 MHz | 866.2 - 866.4 MHz |
| Receiver | Category 1, Class 2, Listen before Talk | |
| Transmitter Duty cycle | < 1 % | |
| Max RF Power | 10 mW | |
| Proximity reader and tag | 125 Khz | |
| Low voltage | Signalled at 2.80 V | |
| Operating voltage | 3 V | |
| Maximum current | 150mA | |
| Quiscent current | 40uA | |
| Battery life | 3 to 5 years | |
| Battery type | 4 x Lithium Iron Disulphide AA 2900mAh | |
| Alternative battery | Off the shelf 4 x Alkaline AA (Shorter battery life) | |
| Dimensions | 149 x 119 x 37 | |
| Weight | 425g | |
| Operating temperature | 0° to 40°C (0 -95% Humidity non condensing) | |
| Storage temperature | -25°C to +60°C | |

Product Compliance

- CE - Radio Equipment Directive
- EN50131-1 EN50131-3, EN50131-6, EN50131-5-3
- PD6662 Security Grade 2, Env Class II

3rd party Certification pending

- EN50131
- INCERT



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