# Installation Manual

## Veritas Excel Keypad

INS165


CE

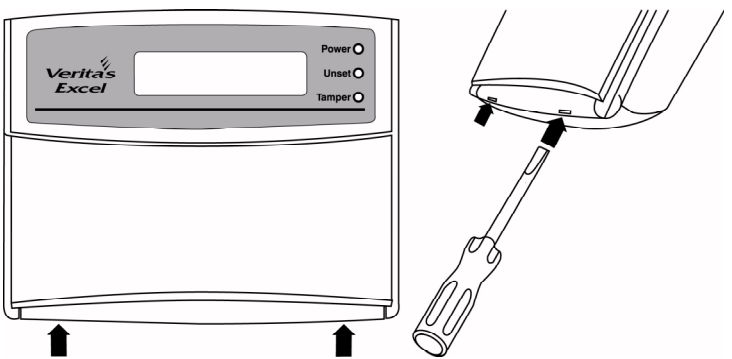
Texecom
Designed to Perform

# Installation

The *Veritas Excel* Remote Keypad (RKP) is only suitable for use with the Texecom *Veritas Excel* Control Panel. Any combination of the *Veritas RKP* & *Veritas Excel* keypad may be used, up to 6 in total, with the *Veritas Excel*.

## Mounting

Open the keypad by carefully inserting a small flat-blade screwdriver into each slot at the base of the unit. Gently push the screwdriver to ease the retaining clips upward, DO NOT LEVER OR TWIST. Excessive force is NOT required. The front flap and front cover can now be removed.




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

## Wiring

It is strongly recommended that the system is completely powered down (mains and battery) before wiring a keypad.

Connect the keypad to the control panel using 4-core cable as follows:

| Keypad | Control Panel |
|---|---|
| 12V | AUX+ |
| 0V | AUX- |
| T | T |
| R | R |

Up to six keypads may be connected in parallel (star) or series (daisy-chain) or any combination.

NOTE When using long cable runs or connecting keypads in series (daisy-chain) ensure that the voltage at the keypad is not more than 2V less than the voltage at the control panel.

When using 6-core or 8-core cable always use the spare cores to “double-up” on 0V. This will allow longer cable runs particularly when connecting keypads in series (daisy-chain). As a rule ‘trebling-up’ on 0V will be more beneficial than ‘doubling-up’ on 12V and 0V.

## Selecting an Address

Each keypad MUST be given a different address using the DIP switch on the PCB as follows:

| Address | DIP 1 | DIP 2 | DIP 3 | DIP 4 |
|---|---|---|---|---|
| 1 | N/A | Off | Off | Off |
| 2 | N/A | Off | Off | On |
| 3 | N/A | Off | On | Off |
| 4 | N/A | Off | On | On |
| 5 | N/A | On | Off | Off |
| 6 | N/A | On | Off | On |

NOTE NEVER set two RKPs to the same address.

Keypads are factory set to address 1.

If the keypad is powered but offline (i.e. T and R not connected) it will display its address.

If an invalid address is selected, the keypad will sound an error tone

## Configuring The Keypad

When the system is powered up it automatically checks and configures all connected keypads. It is strongly recommended that the system is completely powered down (mains and battery) before wiring a keypad. If a keypad is added without removing power then it must be configured as follows:

From the unset state:

**Enter your Engineer code** (?)(?)(?)(?)

**Press** (Prog.) to access the Programming Menu

**Enter** (0 _)(9 wxyz) to select the Configure RKPs option

**Press** (Prog.), the system will chime & scan for RKP addresses 1 - 6

**Press** (Reset) to return to the Programming Menu

**Press** (Reset) to return to the unset state


If an RKP is configured but off-line the system will have a tamper fault.

# Programming Mode

To access the Installer programming mode:

**Enter the Engineer Access code (?)(?)(?)(?) and press (Prog.),** the display will read as follows for 10 seconds:

```
Readin9 Data
Please wait...
```

After 10 seconds the display will read as follows:

```
Pro9ram Mode
Enter Option   ▲▼
```

To quit programming **press (Reset)** and the system will return to unset.

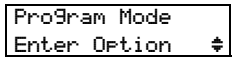
NOTE If you encounter problems, **press (Reset)** to return the system to unset.

If no keys are pressed, the system will automatically return to unset after 4 minutes.

There are two ways to select options whilst in the programming mode:

1. Select an option directly by entering a 2-digit number (e.g. for changing your Access code, enter (6mno)(0␣)).

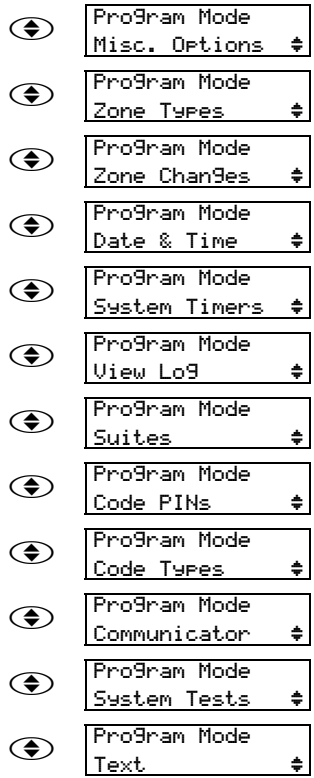
2. Wherever a (▲▼) symbol appears on the display, use the (▲▼) key to scroll up and down through the menus and press (Yes) or (Prog.) to access the menu.

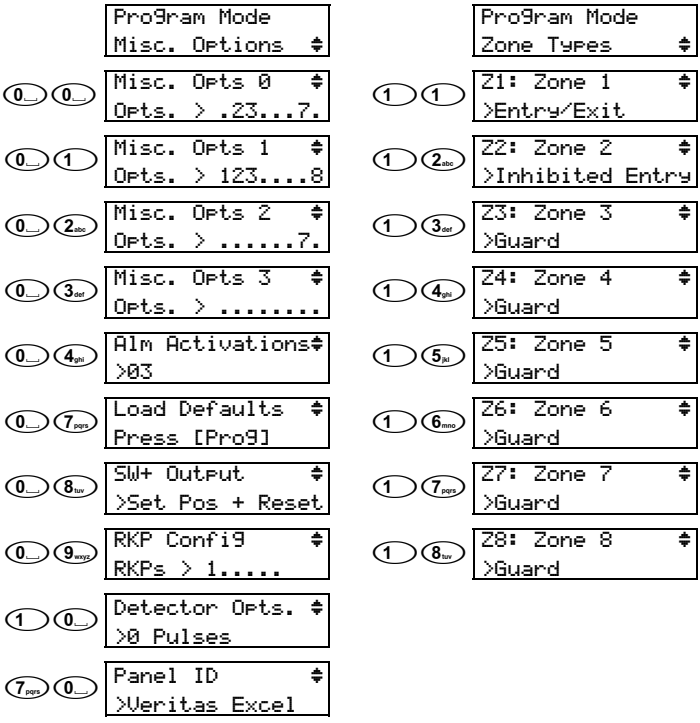



NOTE Wherever a ⇕ symbol appears on the display, use the ⇕ key to scroll up and down through the menus and press (Yes) or (Prog.) to access the menu option.

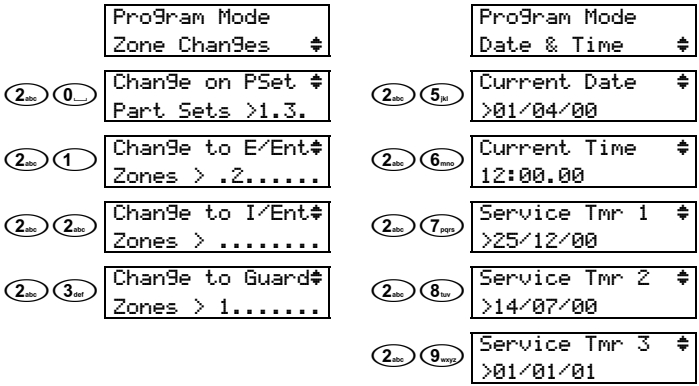
NOTE To display an explanation of the Misc. or Comm. options associated with a particular number, press and hold the corresponding key (?).

NOTE To display the descriptive text associated with a particular zone number, press and hold the corresponding key (?).



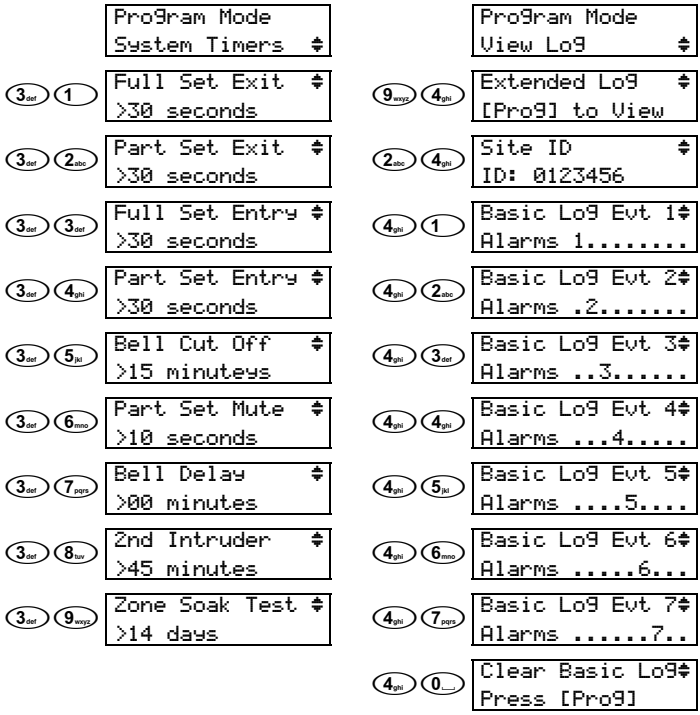



NOTE To display an explanation of the Misc. options associated with a particular number, **press and hold the corresponding key** (?).




NOTE To display the descriptive text associated with a particular zone number, **press and hold the corresponding key (?)**.

Options 27, 28 and 29 (Service Timers 1, 2 and 3) can only be accessed once the time and date have been programmed.

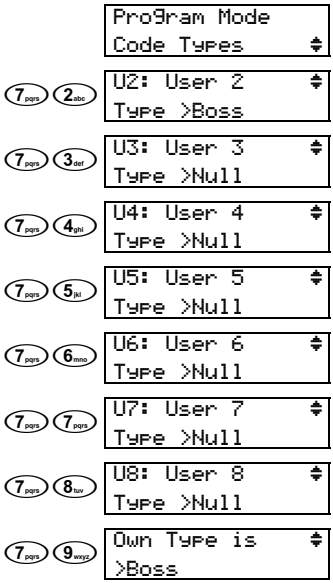



NOTE To display the descriptive text associated with a particular zone number, **press and hold the corresponding key (?)**.

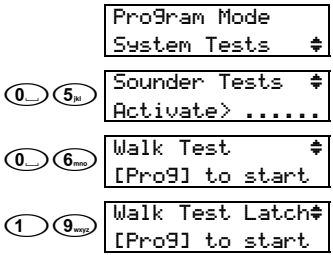
| | |
|---|---|
| | Pro9ram Mode<br>Suites ▲▼ |
| 4 ghi 8 tuv | Zone Disable ▲▼<br>Zones > ..... |
| 4 ghi 9 wxyz | Zone Soak Test ▲▼<br>Zones > ..... |
| 5 jkl 0 _ | Full Set Suite ▲▼<br>Zones > 12345678 |
| 5 jkl 1 | Part Set 1 ▲▼<br>Zones > 1234...8 |
| 5 jkl 2 abc | Part Set 2 ▲▼<br>Zones > 1234...8 |
| 5 jkl 3 def | Part Set 3 ▲▼<br>Zones > 1234...8 |
| 5 jkl 4 ghi | Part Set 4 ▲▼<br>Zones > 1234...8 |
| 5 jkl 5 jkl | Chime Suite ▲▼<br>Zones > ..... |
| 5 jkl 6 mno | Cleaner Suite ▲▼<br>Zones > ..... |
| 5 jkl 7 pqrs | Double Knock ▲▼<br>Zones > ..... |
| 5 jkl 8 tuv | Permit Omit ▲▼<br>Zones > .2345678 |
| 5 jkl 9 wxyz | Zone Invert ▲▼<br>Zones > ..... |

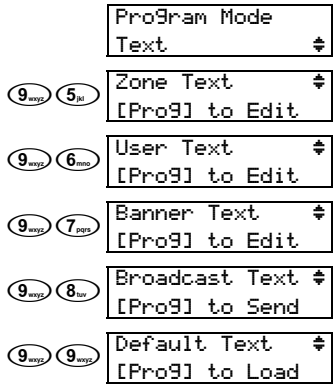
| | |
|---|---|
| | Pro9ram Mode<br>Code PINs ▲▼ |
| 6 mno 0 _ | Enter new code ▲▼<br>Boss >???? |
| 6 mno 2 abc | PIN 2: User 2 ▲▼<br>Boss >???? |
| 6 mno 3 def | PIN 3: User 3 ▲▼<br>Null >???? |
| 6 mno 4 ghi | PIN 4: User 4 ▲▼<br>Null >???? |
| 6 mno 5 jkl | PIN 5: User 5 ▲▼<br>Null >???? |
| 6 mno 6 mno | PIN 6: User 6 ▲▼<br>Null >???? |
| 6 mno 7 pqrs | PIN 7: User 7 ▲▼<br>Null >???? |
| 6 mno 8 tuv | PIN 8: User 8 ▲▼<br>Null >???? |

NOTE To display the descriptive text associated with a particular zone number, **press and hold the corresponding key (?)**.




NOTE To display an explanation of the Comm options associated with a particular number, **press and hold the corresponding key (?)**.


Pro9ram Mode
System Tests
0 5 jkl
Sounder Tests
Activate> ......
0 6 mno
Walk Test
[Pro9] to start
1 9 wxyz
Walk Test Latch
[Pro9] to start


Pro9ram Mode
Text
9 wxyz 5 jkl
Zone Text
[Pro9] to Edit
9 wxyz 6 mno
User Text
[Pro9] to Edit
9 wxyz 7 pqrs
Banner Text
[Pro9] to Edit
9 wxyz 8 tuv
Broadcast Text
[Pro9] to Send
9 wxyz 9 wxyz
Default Text
[Pro9] to Load

## Zone and User Name Text

Zone & User Text is programmed in a similar way to mobile phones.

NOTE Select characters by pressing the corresponding key the appropriate number of times (to select a character on the same key, either wait 2 seconds or press the (Full) key).

| Key | Text | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | . | , | 1 | ' | # | & | + | - | / | : |
| 2 abc | A | B | C | 2 | | | | | | |
| 3 def | D | E | F | 3 | | | | | | |
| 4 ghi | G | H | I | 4 | | | | | | |
| 5 jkl | J | K | L | 5 | | | | | | |
| 6 mno | M | N | O | 6 | | | | | | |
| 7 pqrs | P | Q | R | S | 7 | | | | | |
| 8 tuv | T | U | V | 8 | | | | | | |
| 9 wxyz | W | X | Y | Z | 9 | | | | | |
| 0 _ | ␣ | 0 | | | | | | | | |
| Full | Advance Cursor | | | | | | | | | |
| Chime | Backspace | | | | | | | | | |
| Omit | Upper/Lower Case & Numerical | | | | | | | | | |
| Prog. | Accept New Text | | | | | | | | | |

# TECHNICAL SPECIFICATION

## Electrical

| | |
|---|---|
| **Operating Voltage** | |
| Nominal: | 13.7$V_{DC}$ |
| Minimum: | 10.0$V_{DC}$ |
| **Current Consumption:** | <85mA |
| **Volume:** | Dual Level |
| **Cable:** | 4-Core ≤100m |
| **Data Bus:** | Star, Daisy Chain or any combination |

## Enviromental

| | |
|---|---|
| **Operating Temperature:** | -10°C (+14°F) to +50°C (+122°F) |
| **Storage Temperature:** | -20°C (-4°F) to +60°C (+140°F) |
| **Maximum Humidity:** | 95% non-condensing |
| **EMC Environment:** | Residential/Commercial/Light Industrial or Industrial |

## Physical

| | |
|---|---|
| **Dimensions:** | 145 x 115 x 30 (mm) |
| **Packed Weight:** | 260g approx |

## 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 *Veritas Excel* RKP is covered by a two year warranty against defects in material or workmanship (details on request).

As the *Veritas Excel* RKP 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 *Veritas Excel* RKP 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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