V2 TEL

Speech Dialler with Automation Control
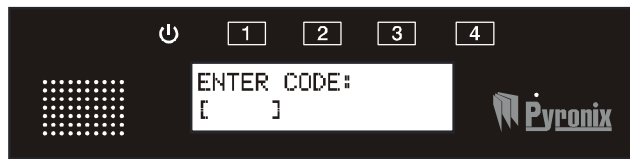
Speaker

Microphone

USER MANUAL

Pyronix

www.pyronix.com

CE

RINS1399-2
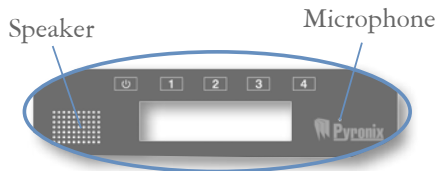
EASY START GUIDE

Enter [1] [2] [3] [4]

This enters the user menu.

ENTER CODE:
[   ]

Enter [9] [0] [1]

Program telephone number 1. Repeat for all other numbers if required [901-909].

[901] Telephone number #1
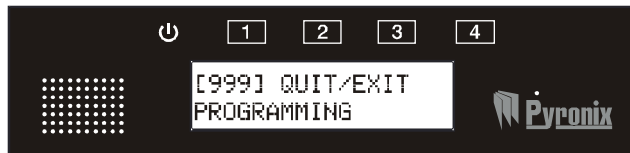
Enter [9] [3] [1]

Program the message types for the telephone numbers. Repeat for all other numbers if required [931-939].

[931] Message type for tel #1

Enter [9] [9] [9]

Press the [✓] key to exit the user mode.

[999] QUIT/EXIT PROGRAMMING

CHAPTER 1: CONTENTS PAGE

CHAPTER 2: INTRODUCTION

The V2 TEL is 2 way TEL audio communication and remote automation module.

The V2 TEL has the following features:

- Call any telephone number (just like a mobile phone)
- Supports 2 way speech via the built on speaker and microphone
- Activate outputs (to turn on lights, open gates, etc)
  - Locally via the integrated keypad
  - Remotely via voice menu command
- Program voice messages (Up to 6, 1 for each alarm input)
- Send voice alerts to up to 9 different user phone numbers
- View the V2 event log (256 events)
- Remotely by phone operate the V2 using the built in voice menu:
  - Listen in
  - Talk
  - Control output
  - Check the status of an external device that is connected to the V2 (for example system armed or disarmed)

CHAPTER 3: HOW THE V2 TEL WORKS

3.1 THE V2 TEL PROCESS

Below shows a flowchart that is a representation of how the V2 TEL operates, when alarm activation occurs.

```
┌──────────┐              ┌──────────┐
│  Alarm   │─────────────▶│  V2 TEL  │
│Activation│              │Dials Number│
└──────────┘              └──────────┘
                               │
                               ▼
                          ┌──────────┐           ┌──────────────┐          ┌──────────────┐
                          │   User   │──── Yes ──▶│   Message    │── Beep ─▶│  Press 99 to │
                          │ Answers? │            │Played. Enter │          │ enter remote │
                          └──────────┘            │   Ack. code  │          │     menu     │
                               │                  └──────────────┘          └──────────────┘
                              No      Answered            ▲                         │
                               │                          │                         ▼
                               ▼                          │                  ┌──────────────┐
                          ┌──────────┐                    │                  │  Enter user  │
                          │V2 TEL Redials│────────────────┘                  │     code     │
                          │the telephone │                                   └──────────────┘
                          │   number     │                                          │
                          └──────────┘                                              ▼
                               │                                            ┌──────────────┐
                          Unanswered                                        │ Listen / Talk /│
                               │                                            │   Control    │
                               ▼                                            │    outputs   │
                          ┌──────────┐                                      └──────────────┘
                          │The next  │                                             │
                          │number is │                                             ▼
                          │ dialled  │                                      ┌──────────────┐
                          └──────────┘                                      │  Press '0'   │
                                                                            │  to hang up  │
                                                                            │(Ends the call)│
                                                                            └──────────────┘
```
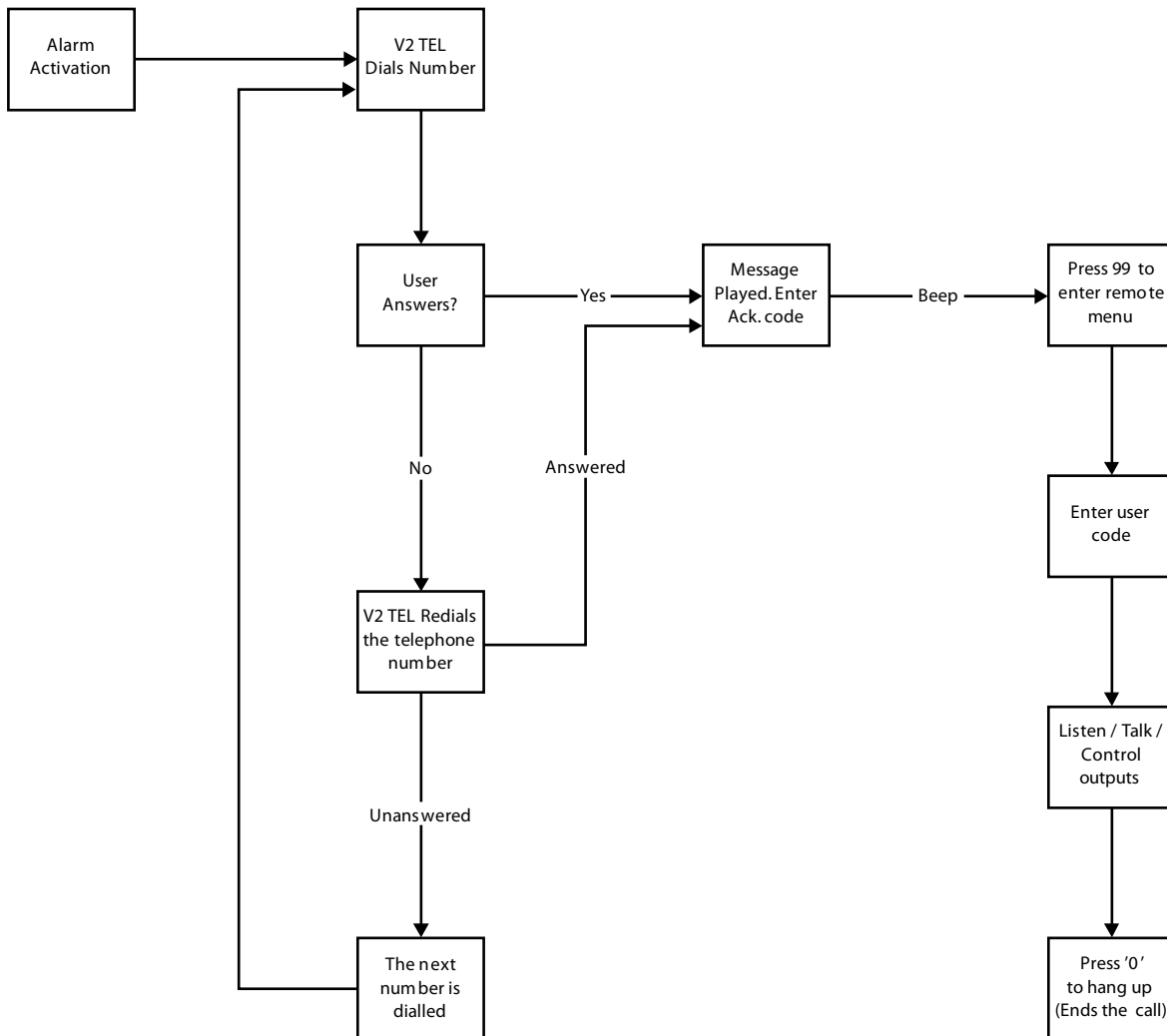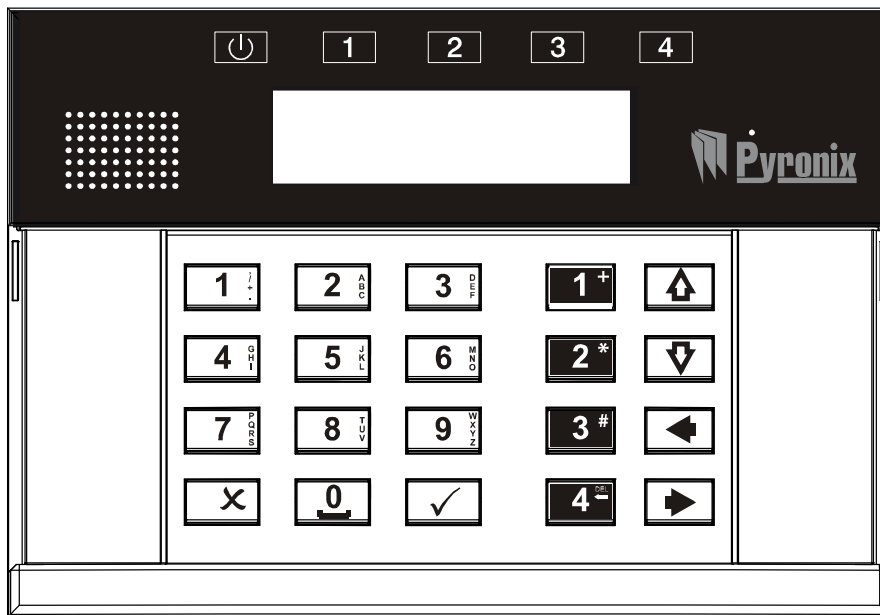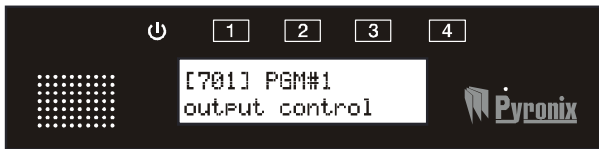
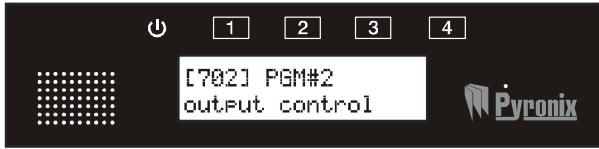# CHAPTER 4: OPERATING THE KEYPAD

The V2 TEL keypad incorporates 4 output status LEDs positioned above the LCD display. They are numbered 1 to 4 and are used to show the status of the 4 inbuilt outputs.
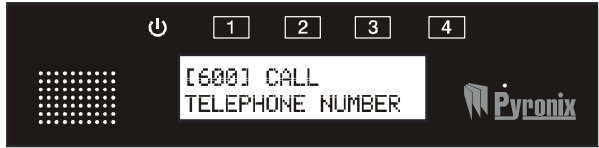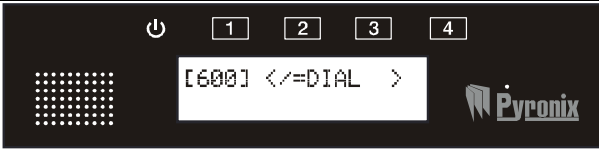
## 4.1 SCROLLING THROUGH MAIN MENUS

4.1.1 Scrolling through main menu

[600] CALL
TELEPHONE NUMBER

TO SCROLL THROUGH MAIN MENUS. PRESS THE ◄ AND ► KEYS

MAIN MENU ITEMS ARE IN CAPITAL LETTERS

[700] OUTPUT
CONTROL

4.1.2 Scrolling through sub menu

```
 ⏻    1   2   3   4

      [701] PGM#1
      output control        Pyronix
```

TO SCROLL THROUGH SUB MENUS. PRESS THE ▽ AND △ KEYS

SUB MENU ITEMS ARE IN CAPITAL LETTERS

```
 ⏻    1   2   3   4

      [702] PGM#2
      output control        Pyronix
```

4.1.3 Entering a sub menu/main menu function

```
 ⏻    1   2   3   4

      [600] CALL
      TELEPHONE NUMBER      Pyronix
```
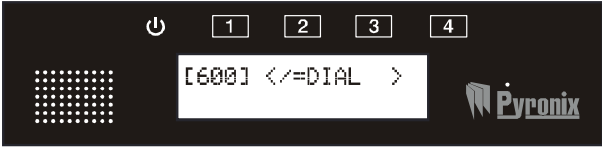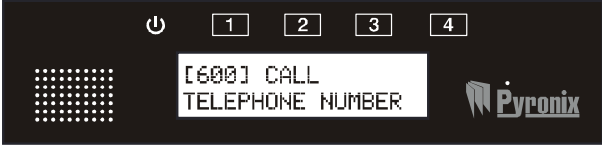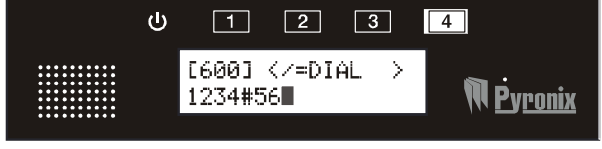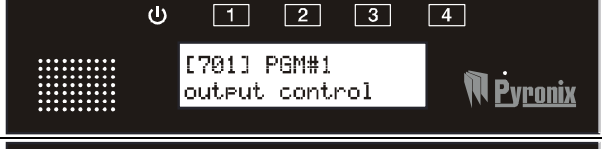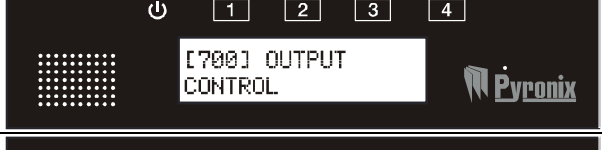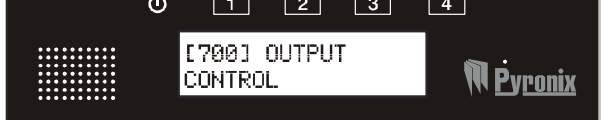
TO ENTER ANY FUNCTION. PRESS THE ✓ KEY

```
 ⏻    1   2   3   4

      [600] </=DIAL  >
                            Pyronix
```

Press ✗ to exit a sub-menu, and to go back to the main menu functions, press ✗ until a main menu function (in capital letters) is displayed. Function numbers can be entered to jump to a particular menu. For example to leave the V2 TEL from any main menu or sub-menu digit [999] that will bring you to 'QUIT/EXIT PROGRAMMING'.

4.2 ENTERING TELEPHONE NUMBERS

```
1 ;/+    2 ABC    3 DEF      1+    ⬆

4 GHI    5 JKL    6 MNO      2*    ⬇

7 PQRS   8 TUV    9 WXYZ     3#    ◀

✗        0        ✓          4 DEL ▶
```
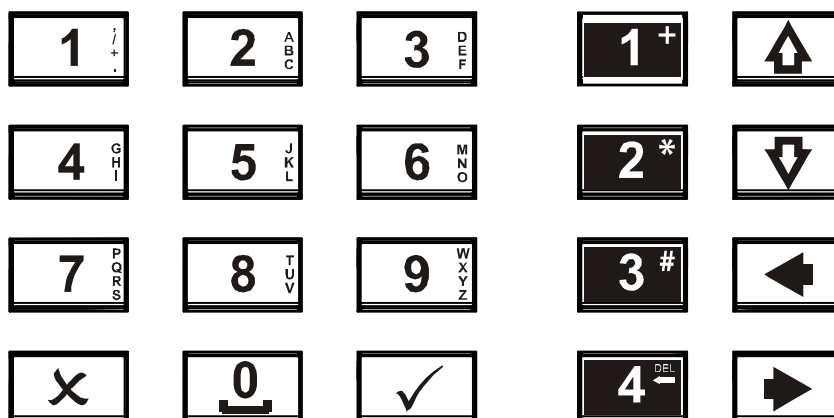
The numeric keys above are used to enter telephone numbers and symbols onto the V2 TEL that may need to be used for international dialling.

Keys	Operation	Example Display
☑	Enters a function / starts a command	⏻ 1 2 3 4 [600] </=DIAL > **Pyronix**
☒	Exits a function / stops a command	⏻ 1 2 3 4 [600] CALL TELEPHONE NUMBER **Pyronix**
1⁺	Activates output 1	⏻ **1** 2 3 4 V2-TEL OPERATIONAL... **Pyronix**
2*	Activates output 2	⏻ 1 **2** 3 4 V2-TEL OPERATIONAL... **Pyronix**
3#	Activates output 3	⏻ 1 2 **3** 4 V2-TEL OPERATIONAL... **Pyronix**
4⁻	Activates output 4 Deletes the current number that the cursor is on	⏻ 1 2 3 **4** [600] </=DIAL > 1234#56■ **Pyronix**
△	Scrolls between sub-menu items	⏻ 1 2 3 4 [701] PGM#1 output control **Pyronix**
▽	Scrolls between sub-menu items	⏻ 1 2 3 4 [701] PGM#1 output control **Pyronix**
◀	Scrolls between main-menu items	⏻ 1 2 3 4 [700] OUTPUT CONTROL **Pyronix**
▶	Scrolls between main-menu items	⏻ 1 2 3 4 [700] OUTPUT CONTROL **Pyronix**

CHAPTER 5: THE USER MENU

5.1 ENTERING THE USER MENU

Using the keypad enter the user code. **Default = 1234**	⏻ 1 2 3 4 V2-TEL OPERATIONAL... Pyronix
	⏻ 1 2 3 4 ENTER CODE: [ ] Pyronix
'[600] CALL TELEPHONE NUMBER' will be displayed which indicates you are in the user menu. Use the ◀ and ▶ keys to scroll through the main menus. Press ✓ to enter a function.	⏻ 1 2 3 4 [600] CALL TELEPHONE NUMBER Pyronix
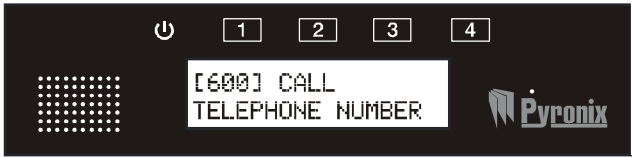
NOTE: If the display shows 'USER PROG. REQ.', this means that no telephone numbers or voice messages have been programmed in the user menu.

5.2 EXITING THE USER MENU

To exit the user menu, type in '999' or scroll to "QUIT / EXIT PROGRAMMING" Press the ✓ key.	⏻ 1 2 3 4 [999] QUIT/EXIT PROGRAMMING Pyronix
	⏻ 1 2 3 4 V2-TEL OPERATIONAL... Pyronix

NOTE: When exiting the V2 TEL user menu, the display may show the following:

⏻ 1 2 3 4 Issue: No Voice Messages Pyronix	⏻ 1 2 3 4 Issue: No Phone Numbers Pyronix
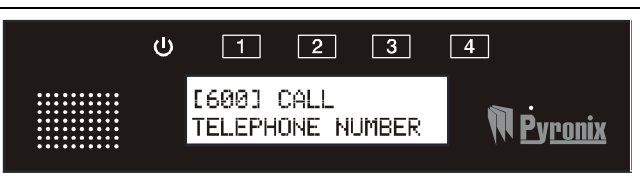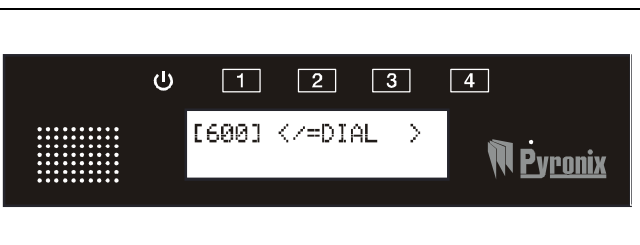
Voice messages and phone numbers will need to be programmed before exiting the user menu.

5.3 CALL TELEPHONE NUMBER [600]

This function allows the user to make an outgoing call. Enter the telephone number you would like to call and press ✓.

Press the ◀ or ▶ keys to scroll to 'CALL TELEPHONE NUMBER' or enter '600'. Press ✓	⏻ 1 2 3 4 [600] CALL TELEPHONE NUMBER Pyronix
Enter the telephone number to dial and press ✓. Press ✗ to end the call. During the call you can increase or decrease the volume by using the up/down arrow keys.	⏻ 1 2 3 4 [600] </=DIAL > Pyronix

5.4 ACTIVATING THE ON BOARD 4 OUTPUTS

To activate the 4 onboard outputs there is no need to enter the user menu. They can be activated / deactivated by pressing the required number key for 2 sec:

Press and hold **1** to activate output 1. The LED 1 output will illuminate. Press and hold **1** to deactivate output 1.	⏻ 1 2 3 4 V2-TEL OPERATIONAL... Pyronix
Press and hold **2** to activate output 2. The LED 2 output will illuminate. Press and hold **2** to deactivate output 2.	⏻ 1 2 3 4 V2-TEL OPERATIONAL... Pyronix
Press and hold **3** to activate output 3. The LED 3 output will illuminate. Press and hold **3** to deactivate output 3.	⏻ 1 2 3 4 V2-TEL OPERATIONAL... Pyronix
Press and hold **4** to activate output 4. The LED 4 output will illuminate. Press and hold **4** to deactivate output 4.	⏻ 1 2 3 4 V2-TEL OPERATIONAL... Pyronix

5.5 ADDITIONAL OUTPUT CONTROL [700]

The V2 TEL comes with 4 already built in outputs.

Press the ◄ or ► keys to scroll to 'OUTPUT CONTROL' or enter '[700]'. Press ✓	⏻ 1 2 3 4 [700] OUTPUT CONTROL Pyronix
Press ▽ or △ to select the PGM number (up to 52) Press ✓	⏻ 1 2 3 4 [701] PGM#1 output control Pyronix
Press ▽ or △ to turn the output on or off or select the number: **0** = Output off (default) **1** = Output on Press ✓	⏻ 1 2 3 4 [701] <SELECT↑↓> 0=OUTPUT OFF Pyronix

700 – 704 for the on board V2 TEL outputs.

5.6 PLAY / RECORD ALARM VOICE MESSAGES [800]

Voice messages can be programmed for each input on the V2 TEL. The voice alarm messages can be up to 12 sec long. At default there are no user recordings.

Press the ◄ or ► keys to scroll to 'PLAY/REC ALARM VOICE MESSAGES' or enter '800'. Press ✓	⏻ 1 2 3 4 [800] PLAY/REC ALARM VOICE MSGS Pyronix
Press ▽ or △ to select which input number (or enter the shortcut function number see page 11) Press ✓	⏻ 1 2 3 4 [801] Play/rec msg for input: 1 Pyronix
Press: **1** = To play a message **4** = To record **9** = To delete	⏻ 1 2 3 4 [801] <1=PLAY 4=REC and 9=DEL> Pyronix

Shortcut Function Numbers:

INPUTS BUILT IN V2TEL
801: Play/rec msg for input#1
802: Play/rec msg for input#2
803: Play/rec msg for input#3
804: Play/rec msg for input#4
805: Play/rec msg for input#5
806: Play/rec msg for input#6

5.7 PLAY / RECORD COMMON MESSAGE [820]

This message is played each time activation has occurred and is heard at the end of an input activation message. The common message can be 20 seconds long.

Press the ◄ or ► keys to scroll to 'PLAY/REC COMMON MESSAGE' or enter '820'. Press ✓	⏻ 1 2 3 4 [820] PLAY/REC COMMON MESSAGE Pyronix
Press: 1 = To play a message 4 = To record 9 = To delete Press ✓	⏻ 1 2 3 4 [820] <1=PLAY 4=REC and 9=DEL> Pyronix

5.8 PROGRAM TELEPHONE NUMBERS [900]

Up to 9 telephone numbers can be programmed on the V2 TEL. Your Engineer will have already assigned the desired alarm messages to one or more telephone numbers.

The V2 TEL will support up to 14 Voice messages. One for each alarm input.

Press the ◄ or ► keys to scroll to 'PROGRAM TELEPHONE NUMBERS' or enter '900'. Press ✓	⏻ 1 2 3 4 [900] PROGRAM TEL. NUMBERS Pyronix
Press ▽ or △ to select which telephone number to be programmed (or enter the shortcut function number). Press ✓	⏻ 1 2 3 4 [901] Telephone number #1 Pyronix
Enter the telephone number and press ✓ If dialling abroad, use the 1⁺ key to enter a '+' symbol.	⏻ 1 2 3 4 [901] <tel. No.> Pyronix

Menu Shortcut Function Numbers:

901: telephone number #1
902: telephone number #2
903: telephone number #3
904: telephone number #4
905: telephone number #5
906: telephone number #6
907: telephone number #7
908: telephone number #8
909: telephone number #9

5.9 MESSAGE TYPE [930]

This function allows the choice of what message type is sent for each telephone number. The following different message types can be programmed:

Voice: Sends a voice message only (example: ALARM, ALARM, ALARM).

Voice + Common: Sends a voice message and common message (example: ALARM, ALARM, ALARM. This is Mr and Mrs Jones of West Street).

Press the ◀ or ▶ keys to scroll to 'MESSAGE TYPE' or enter '930'. Press ✓	⏻ 1 2 3 4 [930] MESSAGE TYPE Pyronix
Press ▽ or △ to select which message type for which telephone number needs to be programmed (or enter the programmed function number). Press ✓	⏻ 1 2 3 4 [931] Message type for tel #1 Pyronix
Press ▽ or △ to select which message type or select the number: **0** = Voice = **Default** **1** = Voice + common Press ✓	⏻ 1 2 3 4 [931] <SELECT↑↓> 0=VOICE Pyronix
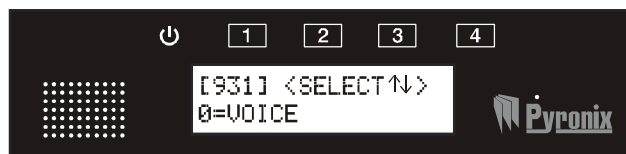
Menu Shortcut Function Numbers:

931: Message type for tel#1
932: Message type for tel#2
933: Message type for tel#3
934: Message type for tel#4
935: Message type for tel#5
936: Message type for tel#6
937: Message type for tel#7
938: Message type for tel#8
939: Message type for tel#9

5.10 CALL ACKNOWLEDGEMENT CODE [960]

When the V2 TEL calls a telephone number, the relevant message will be played. At the end of the message the V2 TEL will ask you to enter a code number to acknowledge that the message has been received. If the call is not acknowledged then the V2 TEL will make a repeat call.

This code is programmable and can be anything from up to 1 to 10 digits long.

Press the ◀ or ▶ keys to scroll to 'CALL ACKNOWLEDGE CODE' or enter '960'. Press ✓	⏻ 1 2 3 4 [960] CALL ACKNOWLEDGE CODE Pyronix
Press ▽ or △ to select the call acknowledgement code for the telephone number (or enter the programmed function number). Press ✓	⏻ 1 2 3 4 [961] Call ack. code for tel:1 Pyronix
Enter the code. Press ✓ **Default = 5.**	⏻ 1 2 3 4 [961] <Code > Pyronix

Menu Shortcut Function Numbers:

961: Call ack. code for tel:1	**966:** Call ack. code for tel:6
962: Call ack. code for tel:2	**967:** Call ack. code for tel:7
963: Call ack. code for tel:3	**968:** Call ack. code for tel:8
964: Call ack. code for tel:4	**969:** Call ack. code for tel:9
965: Call ack. code for tel:5	

5.11 COPY ACKNOWLEDGEMENT CODE 1 TO ALL [980]

This function supplies a shortcut to copy the acknowledgement code programmed in telephone number 1 (function 961) to all 8 other telephone numbers.

Press the ◀ or ▶ keys to scroll to 'COPY ACK CODE 1 TO ALL' or enter '980'. Press ✓	⏻ 1 2 3 4 [980] COPY ACK. CODE 1 TO ALL Pyronix
Press ▽ or △ to select the Yes or No or select the number: 0 space = No = **Default** 1 = Yes Press ✓	⏻ 1 2 3 4 [980] <SELECT↑↓> 0=NO Pyronix

5.12 ENABLE REMOTE LISTEN-IN [984]

Press the ◄ or ► keys to scroll to 'ENABLE REMOTE LISTEN-IN' or enter '984'. Press ✓	☉ 1 2 3 4 [984] ENABLE REMOTE LISTEN-IN Pyronix
Press ▽ or △ to select the Yes or No to select the number below to enable remote listen in: 0 = No 1 = Yes = **Default** Press ✓	☉ 1 2 3 4 [984] <SELECT↑↓> 1=YES Pyronix

5.13 VIEW EVENT LOG [985]

All events that occur are recorded in the event log. The V2 TEL display will show all information in order, starting at the most recent event.

The above display shows the following:

001 = Event number (up to **256** events can be logged)

Description of event logged.

Press the ◄ or ► keys to scroll to 'VIEW EVENT LOG' or enter '985'. Press ✓	☉ 1 2 3 4 [985] VIEW EVENT LOG Pyronix
Press ▽ or △ to scroll back and forth through the log. Press the ► key to jump to the last event. Press ✗ to exit.	☉ 1 2 3 4 001 USER MODE Pyronix

5.14 CHANGE USER CODE [986]

The user code can be up to 4 digits.

Press the ◄ or ► keys to scroll to 'CHANGE USER CODE' or enter '986'. Press ✓	☉ 1 2 3 4 [986] CHANGE USER CODE Pyronix
Enter the new user code, press ✓ **Default user code = 1234**	☉ 1 2 3 4 [986] <SET CODE> 1234 Pyronix
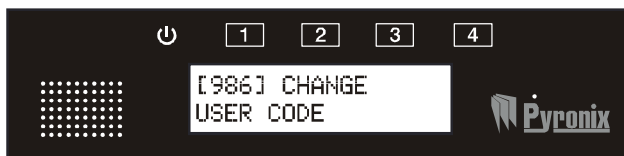
CHAPTER 6: RECEIVING A CALL FROM THE V2 TEL

After alarm activation has occurred, the V2 TEL will call one or more of the programmed telephone numbers.

Voice Alarm Transmission:

➢ V2 TEL dials the programmed telephone number

➢ The user answers the call and says 'Hello'

➢ Voice Alarm Message is played

➢ V2 TEL will ask for call acknowledgement code

➢ The user will enter the required acknowledgement code to acknowledge the call

➢ A long beep is heard and the call will be finished

➢ At the end of the long beep, If the '9' key is pressed twice (99) a remote control menu is entered (if enabled by the engineer).

CHAPTER 7: REMOTE CONTROL VOICE MENU

The V2 TEL remote control menu can be accessed in two different ways:

Method 1:
After acknowledging an alarm call at the end of the long beep, If the '9' key is pressed twice (99) the remote control menu is entered (if enabled by the engineer).

Method 2:
Call the V2 TEL telephone number. After a pre-programmed number of rings the V2 TEL will answer-

> ➢ The V2 TEL voice menu will ask you:
>
> > ***Enter your user code.*** *This is the same code that is used to enter the user menu on the V2 TEL.*
>
> ➢ After entering a valid user code the V2 TEL voice menu will say:
>
> > ***Enter your command number or press '9' for help****. The command numbers available on the V2 TEL are as follows:*
> >
> > ***Press 1 = listen***
> > ***Press 2 = talk***
> > ***Press 3 = control output***
> > ***Press 4 = system status***
> > ***Press 0 = to hang up.***
>
> ➢ If you press 9 for help the following messages will be played:
>
> > ***Press 1 to listen, 2 to talk, 3 to control output, 4 for system status or press 0 to hang up.***
>
> ➢ If you decided to control an output, press 3. The voice menu on V2 TEL will say:
>
> > ***Enter the output number.*** *Enter the output that you wish to operate, 1 to 4 for the built in outputs (see the output appendix on page 18).*
>
> ➢ After choosing an output to control, the voice menu on V2 TEL will say:
>
> > ***Press '1' to turn on, '0' to turn off.*** *This turns on and off the chosen output.*
>
> ➢ If you decided to check the external system status, press "4" key. The V2 TEL will say:
>
> > ***Armed*** or ***Disarmed.*** *This function needs to be enabled by the Engineer.*
>
> ➢ To exit the V2 TEL voice menu press "0" key. The voice menu will say:
>
> > '***Goodbye***'

CHAPTER 8: SHORTCUT FUNCTION REFERENCE

| **600** | **CALL TELEPHONE NUMBER** |

| **700** | **OUTPUT CONTROL** |
| | 701-704   PGM#1 output control [701]…   - 4 on board outputs |

| **800** | **PLAY/REC ALARM VOICE MESSAGES** |
| | 801-806   Play/rec msg for input #1[801] …   -6 onboard inputs |

| **820** | **PLAY/REC COMMON MESSAGES** |
| | 820   Play/rec common message[820] |

| **900** | **PROGRAM TELEPHONE NUMBERS** |
| | 901-909   Telephone number #1 [901], Telephone number #2 [902] … |

| **930** | **MESSAGE TYPE** |
| | 931-939   Message type for tel#1 [931], Message type for tel#2 [932], … |

| **960** | **CALL ACKNOWLEDGE CODE** |
| | 961-969   Call ack. code for tel: 1 [961], Call ack. code for tel#2 [962] … |

| **980** | **COPY ACKNOWLEDGEMENT CODE 1 TO ALL** |

| **984** | **ENABLE REMOTE LISTEN-IN** |

| **985** | **VIEW EVENT LOG** |

| **986** | **CHANGE USER CODE** |

| **999** | **QUIT/EXIT PROGRAMMING** |

CHAPTER 9: INPUTS/OUTPUTS APPENDIX

This section should be filled in by the engineer who installed the system.

9.1 INPUTS

Inputs	Description	Inputs	Description
1 (onboard)		4 (onboard)	
2 (onboard)		5 (onboard)	
3 (onboard)		6 (onboard)	

9.2 OUTPUTS

Outputs	Description	Outputs	Description
1 (onboard)		3 (onboard)	
2 (onboard)		4 (onboard)	

The symbol shown here and on the product, means that the product is classed as Electrical or Electronic Equipment and should not be disposed of with other household or commercial waste at the end of its working life. The Waste Electrical and Electronic Equipment (WEEE) Directive (2006/96/EC) has been put in place to recycle products using the best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid the increasing landfill.

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