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**PC PROGRAMMING OPTION
- RECOMMENDED**

FOR PROGRAMMING VIA PC WITH MODEM USING TVTEL® SOFTWARE PROGRAM, YOU MUST FIRST CHANGE FUNCTION 61 TO MODEM ANSWER MODE USING YOUR LANDLINE OR MOBILE PHONE (or integral keypad on the TVTEL® 240).

**2000# (3 short beeps) 61 (long beep) 1 (3 short beeps).*

TVTEL® PROGRAM & MANUAL AVAILABLE FOR FREE DOWNLOAD FROM www.telephoneentry.co.uk

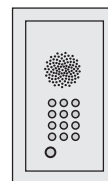
TVTEL®
the perfect entrance™
telephoneentry.co.uk

modern telephone based door entry



TVTEL® PB CALL-BUTTONS TVTEL® 240 SPEED DIAL

Programming Using Standard
Landline or Mobile Telephone



Installation Manual

TVTEL® PB 1-14 Call-Buttons
TVTEL® 240 1-240 Speed Dial

NACD

ACCESS • DOOR ENTRY • SECURITY

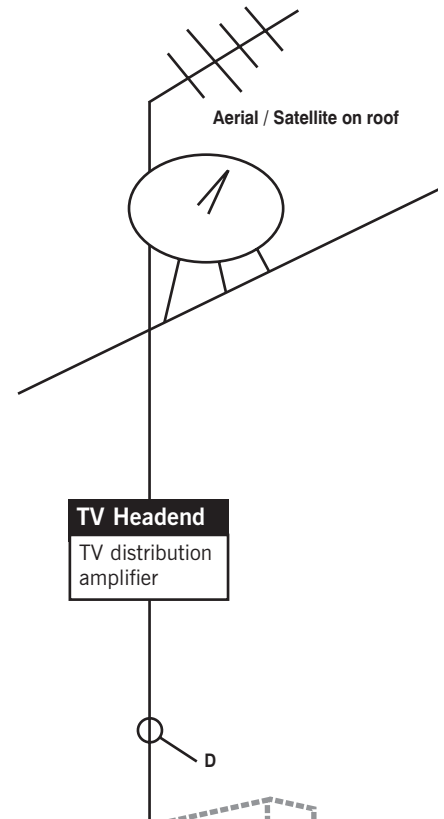
TVTEL® ENTRY SYSTEM

CONDUIT ROUTES / CABLE SCHEDULES

Depending on local conditions conduit (metal or plastic) with inspection elbows to be run as follows:

From	Conduit or Cable	To	
(A) TVTEL® Panel	25mm =====	CAT5E x 2n° + EARTH (6491X) + RG59U coaxial*	Electrical Cabinet.
(B) TVTEL® Panel	20mm =====	CAT5E	Locking mechanism. If electromagnet then will be above door.
(C) Exit button (R.T.E.)	20mm =====	CAT5E	TVTEL® Panel.
(D) Electrical Cabinet	20mm =====	RG59U coaxial*	TV Headend.

* Use RG11 coaxial if run is 250–500 metres. If longer, consult NACD Ltd.



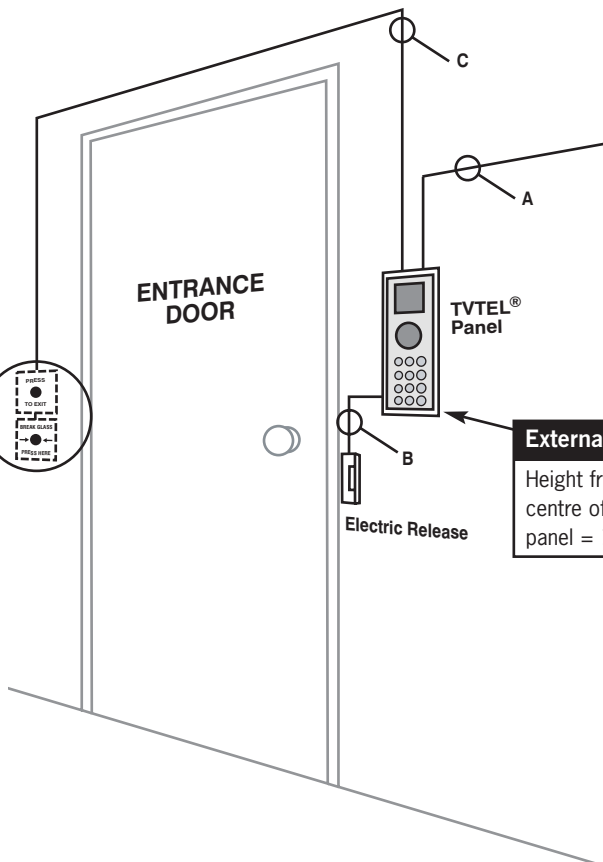
Internal

- (1) Height from FFL to top of R.T.E. = 1.00 metre.
- (2) Fitted on inside using 2 gang dual type back-box. Break glass to have flip lid.
- (3) To be clearly visible to persons exiting the building.
- (4) Position so that door does not open over R.T.E.



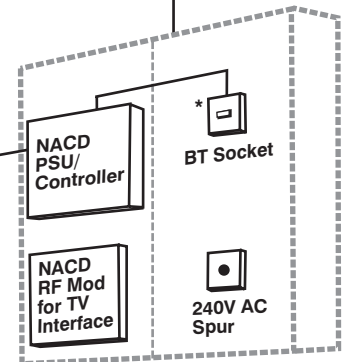
These are fitted on the inside.

R.T.E. = Request To Exit.
FFL = Finished Floor Level.



External

Height from FFL to centre of TVTEL® panel = 1.30 metres.



Electrical Riser

Electrical/Power/BT equipment in electrical cabinet fitted in electrical riser or other appropriate location within 50 metres of external door panel.

*It is advisable to move BT socket (or analogue extension of any PABX telephone system) and fit in the PSU box.

Space requirements for NACD equipment:
380mmL x 380mmW x 125mmH

What do I need to do to get my details onto the system?

Please fill in the information as requested and return to NACD Ltd unless instructed otherwise. If you change your telephone numbers, please inform us.

RESIDENT/CORRESPONDENT INFORMATION

TVTEL 2K Scroll Display Panels Only

Display to show maximum 16 characters

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

I want the TVTEL® Door Panel to call:

Any number, landline or mobile, your choice.

1st telephone n°.

2nd telephone n°. *

3rd telephone n°. *

4th telephone n°. *

* If applicable

Noralsy® Proximity Key Fobs are engraved with a 7 digit number so that we can delete them if lost or stolen.

My property has been issued with the following:

1	<input type="text"/>	2	<input type="text"/>
3	<input type="text"/>	4	<input type="text"/>
5	<input type="text"/>	6	<input type="text"/>

Same applies for Noralsy® radio transmitters. Enter the relevant 7 digit number in one of the boxes.

* Use to open the door instead of a key.

OFFICE USE ONLY

YOUR DETAILS

Flat N° Floor N°

Building Name*

Block Name*

Estate Name*

Title

First Name(s)

Surname

Address

Postcode

Email

Managing Agent**

Telephone n°. **

*If applicable **If known, not essential.

LIFESTYLE CHOICES

Features depend on TVTEL® model installed, please advise your preferences and we will endeavour to please.

1 Any time I am happy to receive calls 24/7. YES NO

2 Social hours I only want to receive calls between:
CALL TIMES (USE 24 HOUR CLOCK)

3 Protected I only want to be called by family/friends. (Visitors will need to know your telephone number and enter it on the panel when TVTEL prompts them or, see **Speed Dial**). YES NO

4 Hidden No details will be displayed on the screen. (Visitors will need to know that you live here and will need to enter * followed by your telephone number to call you or, see **Speed Dial**). YES NO

Speed Dial I want to be called directly from the panel by entering this number: (Choose either your flat number or a personal number and let your friends/family know! You can still select any one of the options 1-4).
2-4 DIGITS IN LENGTH

The details (max 16 characters) displayed on the screen can be your name, spouse's name, another name of resident of flat, flat number / name, business name or combination etc. You advise which telephone number goes with which name. The system allows for more than one name / description per flat / house / unit.*

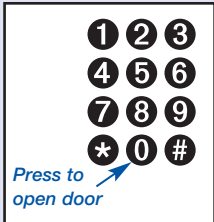
Keypad Code I would like to have the following Keypad Code:
4-8 DIGITS IN LENGTH*

*At discretion of Managing Agent. **Shorter codes available at the discretion of Managing Agent, but obvious codes 54321, 6789 etc not allowed. Keypad code cannot be same as flat number for security reasons — but can be same as personal number used as a Speed Dial, if so enter # before the number when using as keypad entry code.



How do I know if a call is from the door panel?

When you answer the phone you'll hear a message "Call from Door Panel" – just speak to your Visitor as you normally would when on the phone!



What do I then do if I want to open the door?

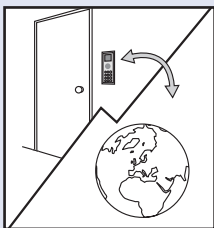
Just press the **0** button on your handset... and release it immediately, you don't need to hold it down.

Press the **2** button on the handset to open a 2nd door or gate controlled by the **same** TVTEL® panel, if applicable.



What happens after I've pressed the 0 button?

Both you and your Visitor will hear the message "Please enter".



Do I have to be in the building to open the door?

You can open the door from anywhere in the world! Just press the **0** button.

What if I don't want to let the visitor in?

Press the **#** button to end the call immediately or, don't press the **0** button and hang-up or, press the "End Call" button on a cordless or mobile phone.

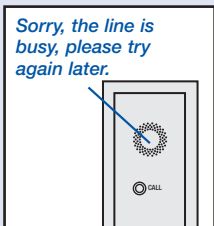


What happens if I'm not at home?

If you've got an answer machine or BT Call-Minder your Visitor can leave you a message.

What happens if I'm already on the phone?

If you've given us a 2nd telephone number, TVTEL® will automatically call it.



What if I don't have a 2nd telephone number and am already on the phone?

TVTEL® will advise your Visitor that you are busy and to call back later.

If you have BT Call-Waiting you'll always know if somebody is trying to call you.



Can TVTEL® call mobile telephone numbers?

TVTEL® can call any landline, mobile or extension number that has been programmed into it.



Can I divert the call from the TVTEL® panel to my office?

With BT Call-Divert you can divert the call anywhere you want (the cost of the divert is at your expense).

You can be on your office landline, on the mobile out shopping or skiing in Meribel... TVTEL® makes a telephone call to **your** number, what you do with it is up to you.



Can TVTEL® do the diverting for me?

Of course, if the TVTEL® call is not answered within the default 25 seconds it will automatically dial your 2nd telephone number, for example, your mobile. But make sure your answer machine or BT Call-Minder switches on after 25 seconds. If not, your Visitor will leave a message for you and the call will not divert to your 2nd number.



Can I see the Visitor if I don't know them?

If your TVTEL® panel has a camera* then you'll be able to see your Visitor on all of your televisions. You can even record unwelcome visitors if you have a VCR.



Do I need special televisions?

Any TV – wide screen, flat screen, plasma – it doesn't matter! As long as it plugs into a TV socket you can use it!

The picture from the camera* in the TVTEL® panel is simply another TV channel. What channel number you give it and what you do with the picture is up to you – check out the features available on your TV system.



*Camera feature is optional.

TIP Use a "Pay As You Go" mobile phone as your handsfree door entry phone – it won't cost you a penny, you'll never be on the phone when a visitor calls and TVTEL® will still divert the call when you are out!

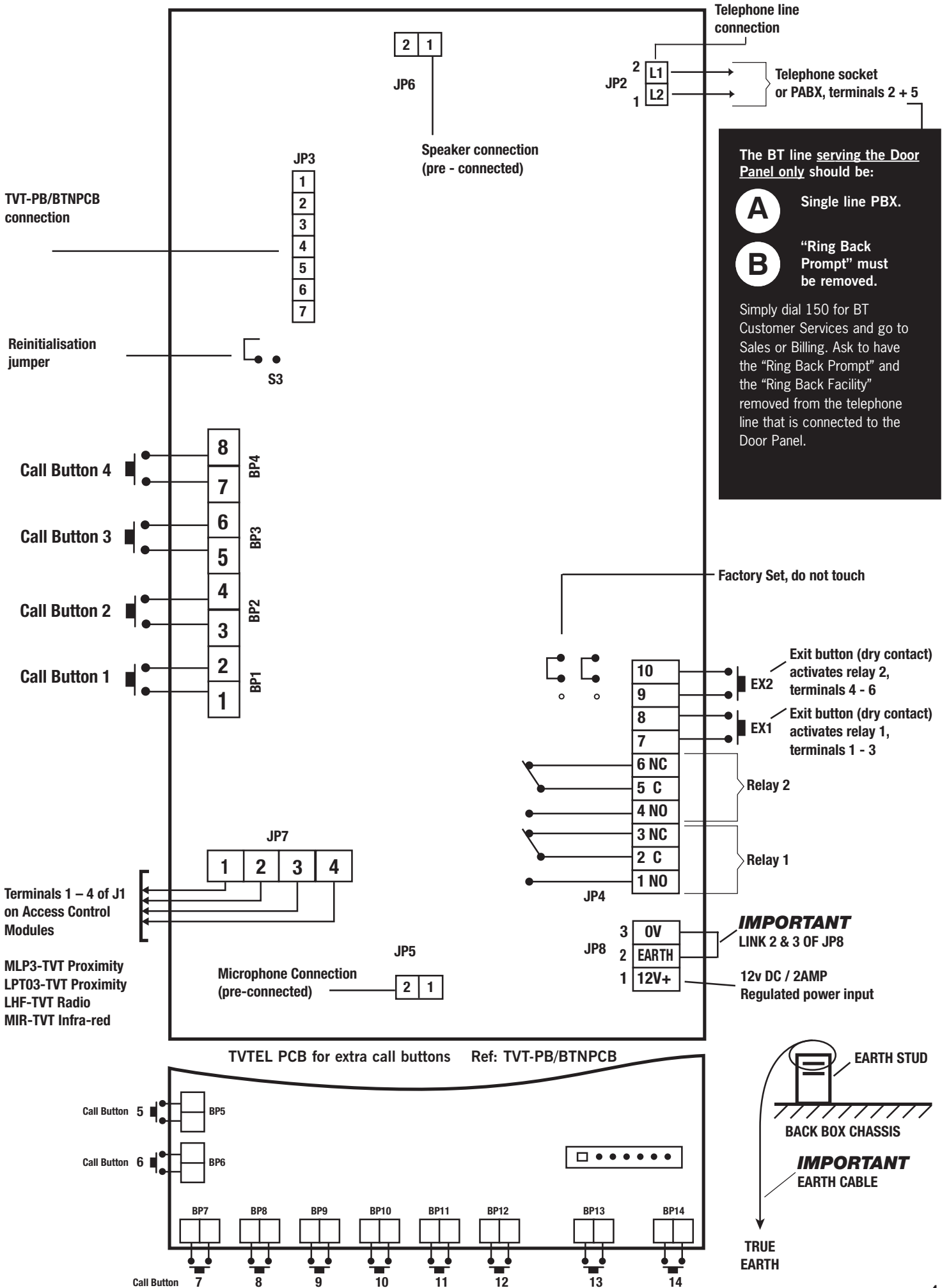
Function	Contents	Page
	Resident / Correspondent Information (photocopy as required)	1
	Wiring schematics	4–6
	Basic User Operation	7–8
	System Reset	8
	General Programming	9
20,21	- Call-Button numbers 1 - 14	9–10
10	- Programming via the Keypad	11
11,12,13	- Keypad Beeps, Loudspeaker Volume, Microphone Gain	11–12
17	- Call Progress Audio Reassurance	12
14	- Press Duration of Call-Buttons	12
40-49	- Audio Messages	13–14
18	- Audio Message Volume	14
61	- Answer mode on Call-Up of Panel	14
15	- Panel to Ring for X seconds before answering incoming call	15
24	- DTMF or Pulse Dialling	15
25,30	- DTMF Code + Keypad Code for Relay N° 1, Relay N° 2	15–16
31,32	- Operating time for Relay N° 1, Relay N° 2	17
33	- Pressing any Button on Panel activates Relay N° 2	17
34	- Additional Keypad Code for Relay N° 1	17
26	- Communication Time	18
35	- Communication ends after activation of Relay N° 1, Relay N° 2	18
66	- Global Prefix	19
65	- Speed Dial Operational Mode	19
62	- Speed Dial Telephone Numbers	20–23
62	- Deleting a Speed Dial Telephone Number	23
27	- Intervention mode on Call-Up of Panel	23
50	- Keypad Codes / Access Passes	24
51	- Programming Keypad Codes, Access Passes for Relay N° 1	24–25
54	- Programming Keypad Codes, Access Passes for Relay N° 2	25
55	- Programming Keypad Codes, Access Passes for Relay N° 1 & N° 2	26
52	- Deleting single Keypad Code, Access Pass.	26–27
53	- Deleting all Keypad Codes, Access Passes.	27
64	- Number of seconds for Handset to Ring	28
90	- Changing “General Parameters” Programming Code 2000	28
91	- Changing Call - Button Programming Codes	28
97	- Number of seconds of silence before disconnection	29
98	- Dial Tone	29
60	- Direct Dialling	29
63	- Cancelling a Call	30
96	- Sensitivity Level – Voice Detection	30
	Programming examples	31–32
36	- Hold Open/Latch feature	33
04,16	- Programming DAA & Impedances	34

TVTEL PB Range

TVTEL 1 - 14B/S	TVTEL 1 - 14 call-button surface s.steel
TVTEL 1 - 14B/F	TVTEL 1 - 14 call-button flush s.steel
TVTEL 1 - 14B/HS	TVTEL 1 - 14 call-button hooded surface s.steel
TVTEL 1 - 14B/SM	TVTEL 1 - 14 call-button surface s.steel preset extra module
TVTEL 1 - 14B/FM	TVTEL 1 - 14 call-button flush s.steel preset extra module
TVTEL 1 - 14B/HSM	TVTEL 1 - 14 call-button hooded surface s.steel preset extra module
TVTEL 1 - 14B/SV	TVTEL 1 - 14 call-button surface s.steel incl I.R camera
TVTEL 1 - 14B/FV	TVTEL 1 - 14 call-button flush s.steel incl I.R camera
TVTEL 1 - 14B/HSV	TVTEL 1 - 14 call-button hooded surface s.steel incl I.R camera
TVTEL 1 - 14B/SVM	TVTEL 1 - 14 call-button surface s.steel incl I.R camera preset extra module
TVTEL 1 - 14B/FVM	TVTEL 1 - 14 call-button flush s.steel incl I.R camera preset extra module
TVTEL 1-14B/HSV	TVTEL 1 - 14 call-button hooded surface s.steel incl I.R camera preset extra module

TVTEL 240 Range

TVTEL 240/S	TVTEL 240 way surface s.steel
TVTEL 240/F	TVTEL 240 way flush s.steel
TVTEL 240/HS	TVTEL 240 way hooded surface s.steel
TVTEL 240/SM	TVTEL 240 way surface s.steel preset extra module
TVTEL 240/FM	TVTEL 240 way flush s.steel preset extra module
TVTEL 240/HSM	TVTEL 240 way hooded surface s.steel preset extra module
TVTEL 240/SV	TVTEL 240 way surface s.steel incl I.R camera
TVTEL 240/FV	TVTEL 240 way flush s.steel incl I.R camera
TVTEL 240/HSV	TVTEL 240 way hooded surface s.steel incl I.R camera
TVTEL 240/SVM	TVTEL 240 way surface s.steel incl I.R camera preset extra module
TVTEL 240/FVM	TVTEL 240 way flush s.steel incl I.R camera preset extra module
TVTEL 240/HSV	TVTEL 240 way hooded surface s.steel incl I.R camera preset extra module



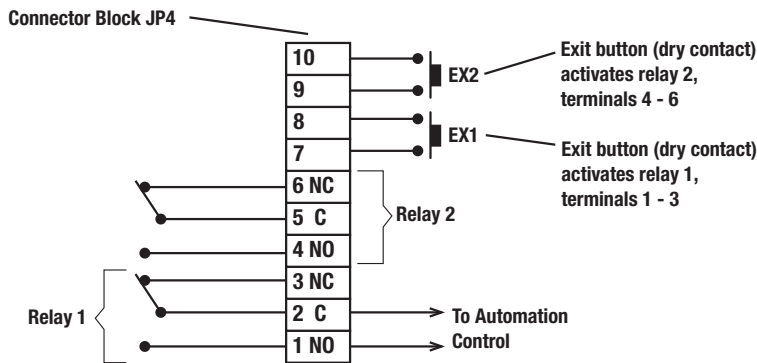
The BT line servicing the Door Panel only should be:

- A** Single line PBX.
- B** "Ring Back Prompt" must be removed.

Simply dial 150 for BT Customer Services and go to Sales or Billing. Ask to have the "Ring Back Prompt" and the "Ring Back Facility" removed from the telephone line that is connected to the Door Panel.

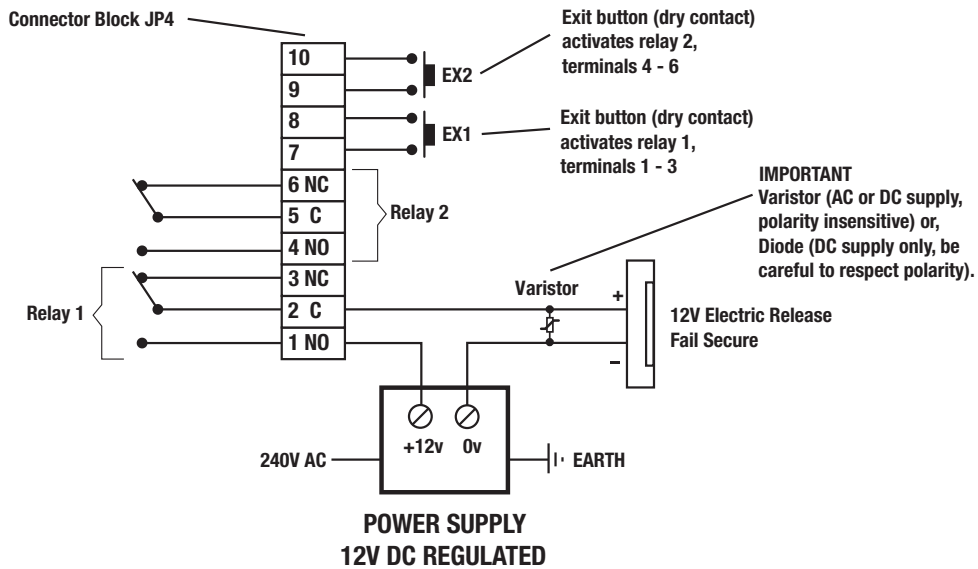
Automation Control / Volt Free

TVPB240/AUTO/0103



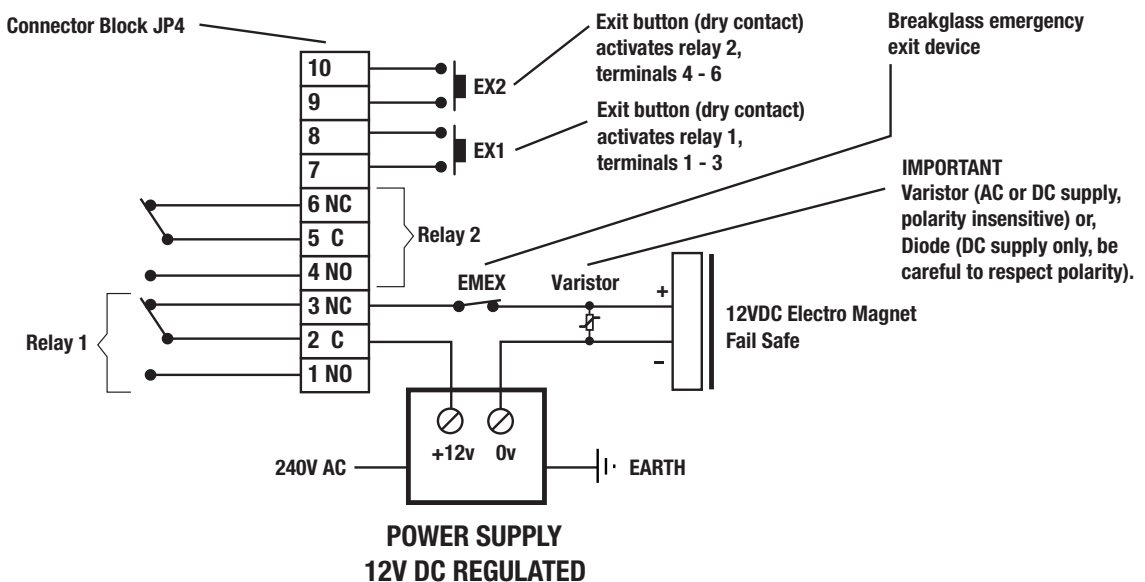
Fail Secure Locking

TVPB240/LFSEC/0105



Fail Safe Locking

TVPB240/LFSAFE/0105

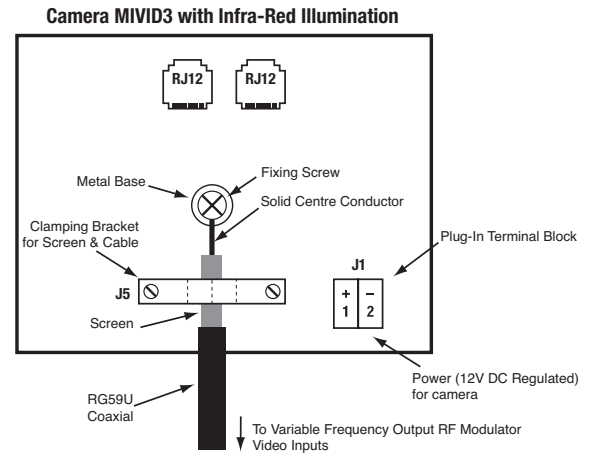


TVTEL PB / TVTEL 240 - Camera Connections



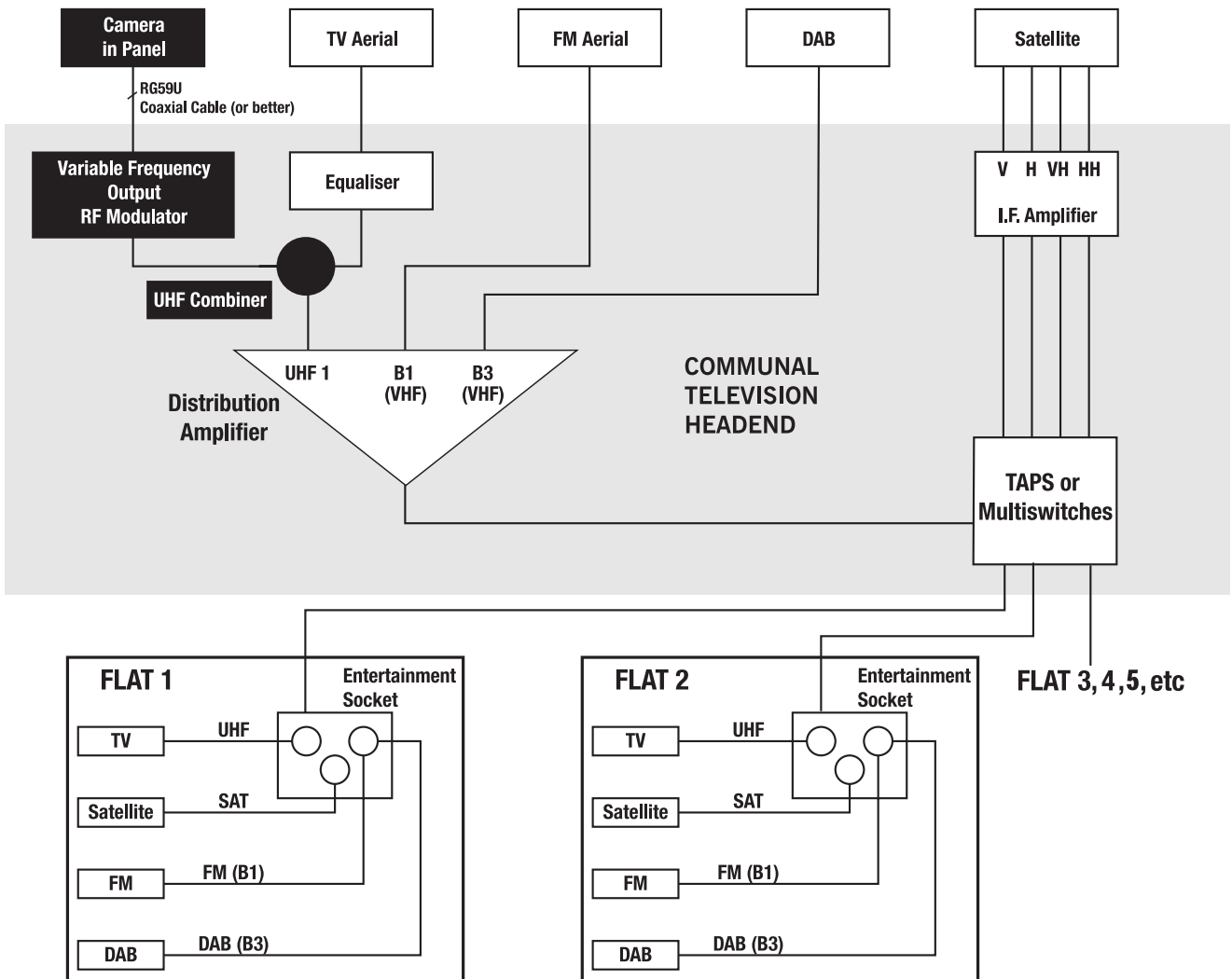
Camera in Panel

MIVID3/1



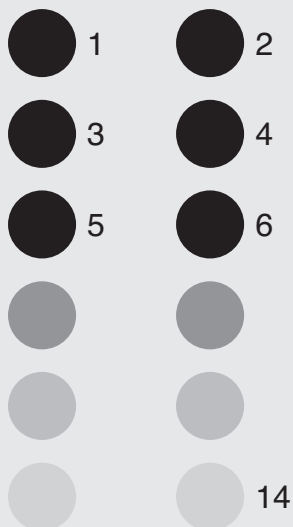
Typical Communal or House TV / Satellite / FM / DAB System Interface:

TV/IF-STD



BASIC USER OPERATION

TVTEL PB - Calling via Call-Buttons.



TVTEL PB can have from 1 – 14 Call-Buttons. If TVTEL PB is connected to a PABX system, it can telephone both internal extension numbers and external telephone numbers.

Call-Button N° 1 can call up to 4 n° pre-programmed telephone numbers.

Call-Button N° 2 can call 2 n° pre-programmed telephone numbers.

Call-Button N° 3 can call 2 n° pre-programmed telephone numbers.



Call-Button N° 14 can call 2 n° pre-programmed telephone numbers.

Example:

Press Call-Button N° 1.

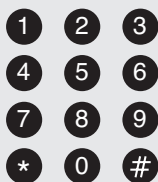
TVTEL will call 1st telephone number programmed (main telephone number). If call is not answered or correspondent busy, TVTEL will automatically call 2nd telephone number programmed. If no answer/busy, TVTEL will automatically call 3rd telephone number etc.

Call progress is heard at the panel (see Function 17).

Pressing a Call-Button whilst a call is in progress cancels the call.

Correspondent/Resident answering the telephone hears “3 short beeps” or “Call from Door Panel”. TVTEL automatically reverts to standby mode at the end of a communication or call sequence.

TVTEL 240 - Calling via Keypad.



TVTEL 240 offers a choice from 2 n° operational modes:

- (1) Panel can call a maximum of 240 n° flats, homes or offices - 1 n° telephone number each.
- (2) Panel can call a maximum of 120 n° flats, homes or offices - 2 n° telephone numbers each.

TVTEL 240 can also, simultaneously, have up to 4 n° direct Call-Buttons.

If TVTEL 240 is connected to a PABX system, it can telephone both internal extension numbers and external telephone numbers.

Speed Dial numbers are either 1, 2, or 3 digits in length depending on the number of flats/offices that need to be rung. Each Speed Dial number dials a pre-programmed telephone or extension number. Call progress is heard at the panel (see Function 17). Correspondent/Resident answering the telephone hears “3 short beeps” or “Call from Door Panel”. TVTEL automatically reverts to standby mode at the end of a communication.

Example 1:

Visitor wants to call Flat N°1:

Enter 001 on the panel to call Flat/House N°1.

By entering 001, TVTEL will call the telephone number(s) of Flat N° 1.

Example 2:

Visitor wants to call Flat N° 109:

Enter 109 on the panel to call Flat/House N° 109.

By entering 109, TVTEL will call the telephone number(s) of Flat N° 109.

TVTEL PB/240 - Ending the call from the handset called.

The person answering the call can cut the telephone line ie end the call at any time by simply (1) Pressing the # key on the telephone handset / mobile (2) Putting the telephone down “Hanging Up” (3) Pressing the “End Call” button on the cordless telephone handset or mobile phone.

TVTEL PB / 240 - Opening the Door from the Handset called.

Any handset answering a call from the panel can activate Relay N° 1 to open the door/gate, but only whilst it is in communication with the panel. To activate Relay N° 1, the person answering the call must press the 0 button on the telephone handset.

Note 1: The code to enter onto the handset to activate Relay N° 1 is programmable and can be any 1 or 2 digit number. You may wish, for example, to have 99 as the code to activate Relay N° 1.

Note 2: Exactly the same applies for Relay N° 2 which might be used to (A) Open a 2nd entrance, perhaps a pedestrian gate (B) Turn on CCTV camera (C) Turn off a perimeter beam etc.

TVTEL 240 - Opening the Door from the Keypad in the Panel.

The keypad code to activate Relay N° 1 to open the door/gate can be any number from 1 – 6 digits in length. It must, however, always be preceded by the # button and entered within 5 seconds.

Example:

If the Keypad Code = 12345 , you must enter: #12345 on the keypad to activate Relay N° 1.

Note: Exactly the same applies for Relay N° 2.

TVTEL PB / 240 - Dialling In from Remote Handset.

Any DTMF (touch tone) telephone handset can call a TVTEL panel simply by dialling (1) The telephone number of its telephone line (2) The extension number if it is connected to a PABX extension socket.

The panel does not ring and answers the call automatically.

Intervention mode immediately on Call-Up can be default set to either:

(1) Full Communication (2) Discrete.

Note: TVTEL can be set to ring to signal an incoming call. The call is answered manually by pressing the call-button on the panel (see Function 61).

TVTEL 240 - Direct Dialling from Panel.

Press the Call-Button to obtain a dial tone. Then enter the full telephone number of the Correspondent/Resident onto the keypad. Wait for the Correspondent/Resident to answer.

Pressing the Call-Button again cancels the call.

Correspondent/Resident answering the telephone hears “3 short beeps” or “Call from Door Panel”.

Only telephone numbers already programmed into the TVTEL panel can be direct dialled i.e. the telephone numbers associated with the Speed Dial prefixes.

Note: Speed Dial is, of course, still available when Direct Dialling is enabled.

System Reset

A system reset does the following:

- 1) Reprograms all the factory set default parameters.
- 2) Deletes all Speed Dial telephone numbers.
- 3) Resets programming codes to 2000, 2001, 2002, 2003, 2004...2014.
- 4) Reactivates all audio messages.

On the PCB, fit the strap onto both pins of S3 (see schematic). The TVTEL panel will emit long beep beeps. Remove strap S3 (leave it on 1 pin only so as not to lose it). TVTEL reverts to standby mode.

TVTEL PB can be programmed (1) Remotely via a PC with modem or (2) Remotely via a Touch-tone (DTMF) telephone.

TVTEL 240 can be programmed (1) Remotely via a PC with modem (2) Remotely via a Touch-tone (DTMF) telephone or (3) At the panel via the keypad.

Programming via Touch-Tone (DTMF) Telephone

Using a standard touch-tone (DTMF) telephone, dial the telephone number of the TVTEL panel.

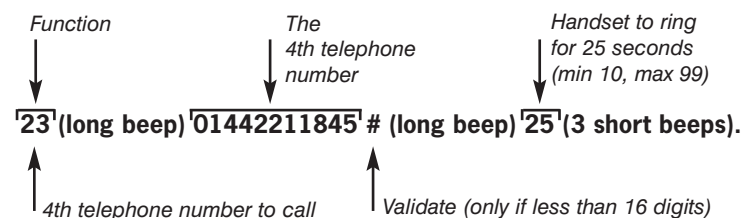
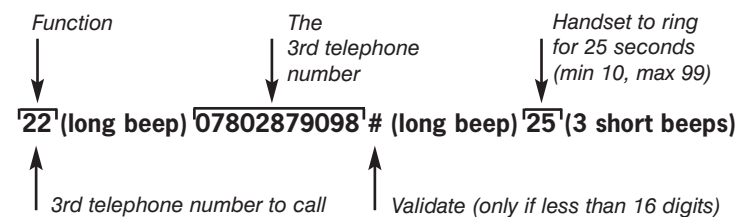
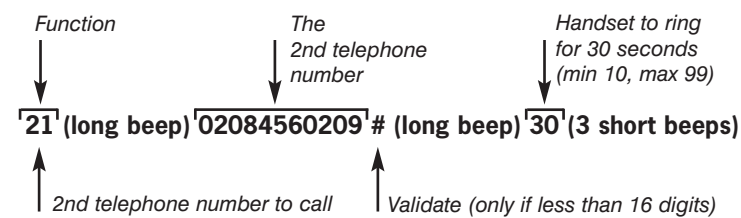
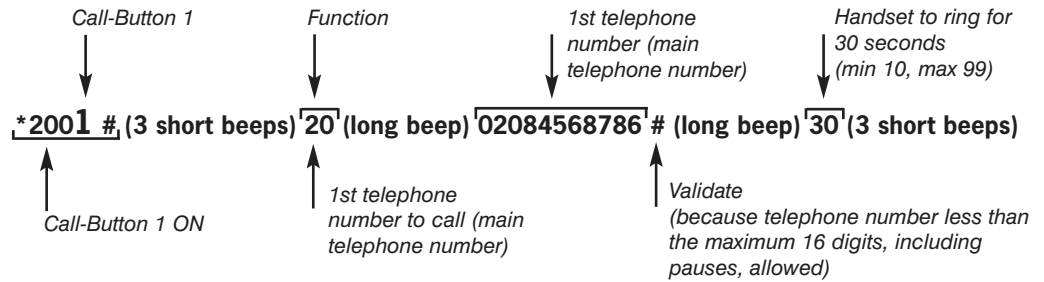
TVTEL PB confirms the connection by (1) Emitting 3 short beeps or (2) Audio message "Call from Door Panel".

Notes:

- 1) Correct programming inputs are acknowledged by
 - (a) 3 short beeps or (b) audio message "The code entered is correct."
- 2) Incorrect programming inputs are acknowledged by
 - (a) 2 long beeps or (b) audio message "The code entered is incorrect."
- 3) A maximum of 10 seconds are allowed for each programming input - if exceeded, TVTEL reverts to standby mode.
- 4) No programming entries are possible when the panel is emitting acknowledgement beeps.
- 5) If programming TVTEL 240 via the keypad on the panel, simply enter the appropriate information directly via the keypad. There is no need to call the panel.
- 6) Enter **00** (or, **000** if programming speed dial numbers) to exit from programming mode.

Programming Call-Button 1

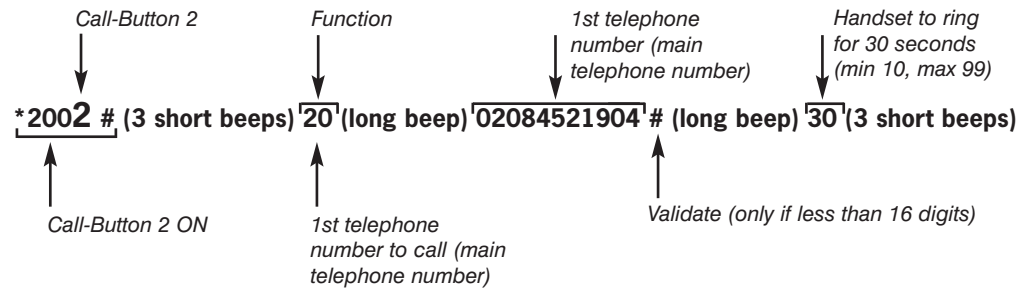
Call-Button 1 can be programmed to automatically call up to 4ⁿ telephone numbers. For example, if no response received from telephone number 1, TVTEL will call telephone number 2, then 3, then 4 before hanging-up.



Programming Call-Button 2

2

Exactly as for Call-Button 1 except:

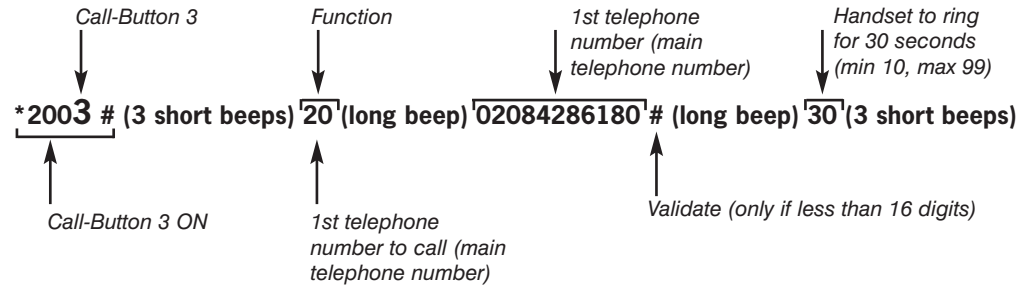


Note: Maximum 2 N° telephone numbers can be called by Call-Button 2.

Programming Call-Button 3

3

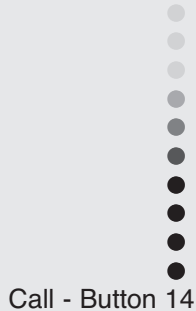
Exactly as for Call-Button 1 except:



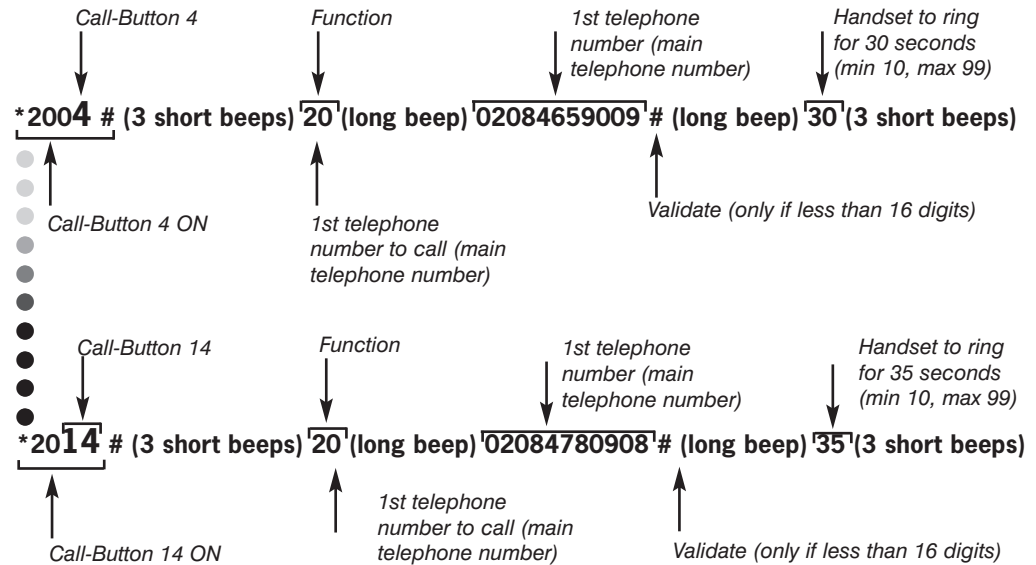
Note: Maximum 2 N° telephone numbers can be called by Call-Button 3.

Programming Call-Buttons 4 - 14

Note: Maximum 2 n° telephone numbers can be called by Call - Button 4



Exactly as for Call-Button 1 except:



Disabling Call-Buttons

- Disabling Call-Button 1** = * 2001 # (3 short beeps) # (3 short beeps)
- Disabling Call-Button 2** = * 2002 # (3 short beeps) # (3 short beeps)
- Disabling Call-Button 3** = * 2003 # (3 short beeps) # (3 short beeps)
- Disabling Call-Button 14** = * 2014 # (3 short beeps) # (3 short beeps)
- Reactivating Call-Button 1** = * 2001 # (3 short beeps) * (3 short beeps)
- Reactivating Call-Button 2** = * 2002 # (3 short beeps) * (3 short beeps)
- Reactivating Call-Button 3** = * 2003 # (3 short beeps) * (3 short beeps)
- Reactivating Call-Button 14** = * 2014 # (3 short beeps) * (3 short beeps)

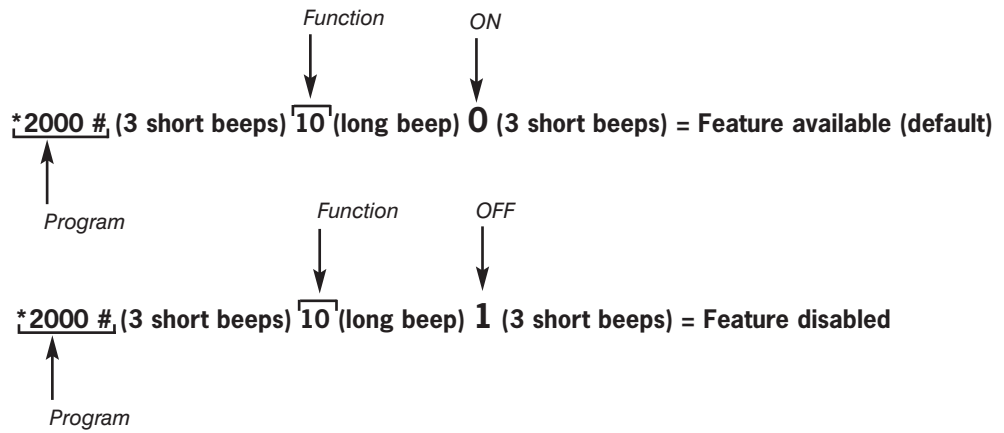
OFF ↑
ON ↑

Programming via the Keypad

Function 10

TVTEL 240 ONLY

Default setting is ON.



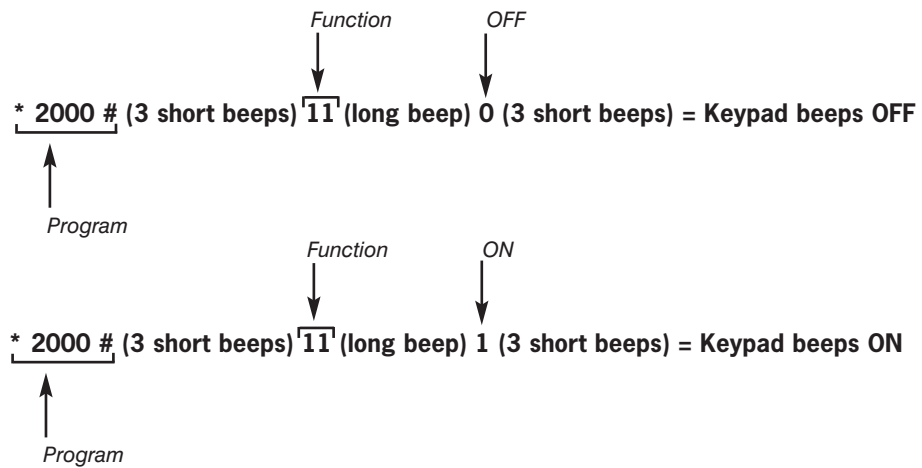
Important: When you have finished programming it is strongly recommended that you change the “General Parameters” and “Call-Button” Programming Codes, see Functions 90 and 91. Make sure to keep a record of your new Programming Codes!

Keypad Beeps

Function 11

TVTEL 240 ONLY

Default setting = Keypad Beeps

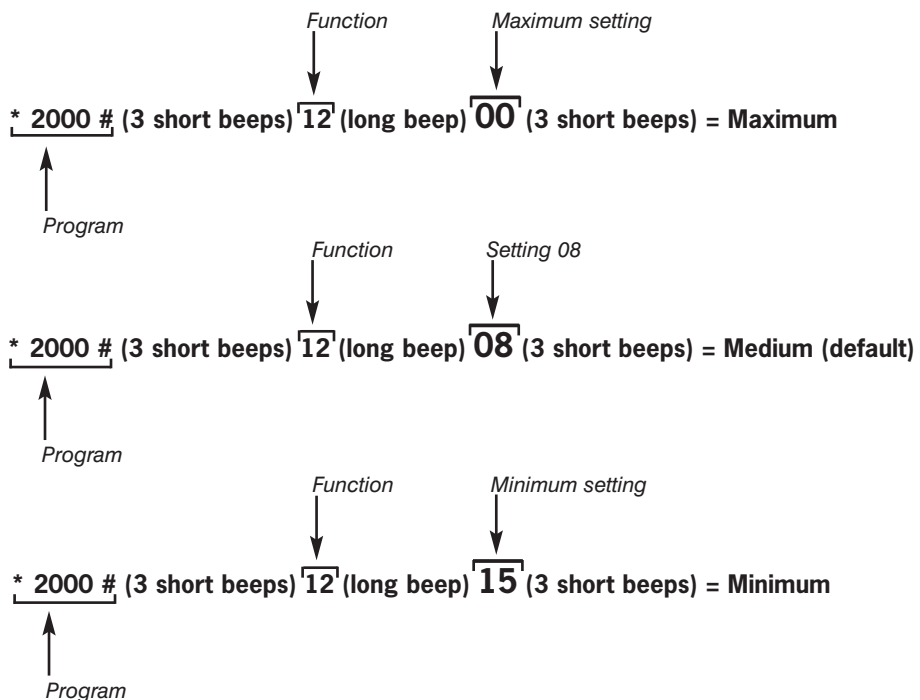


Loudspeaker Volume: Speech Down Level

Function 12

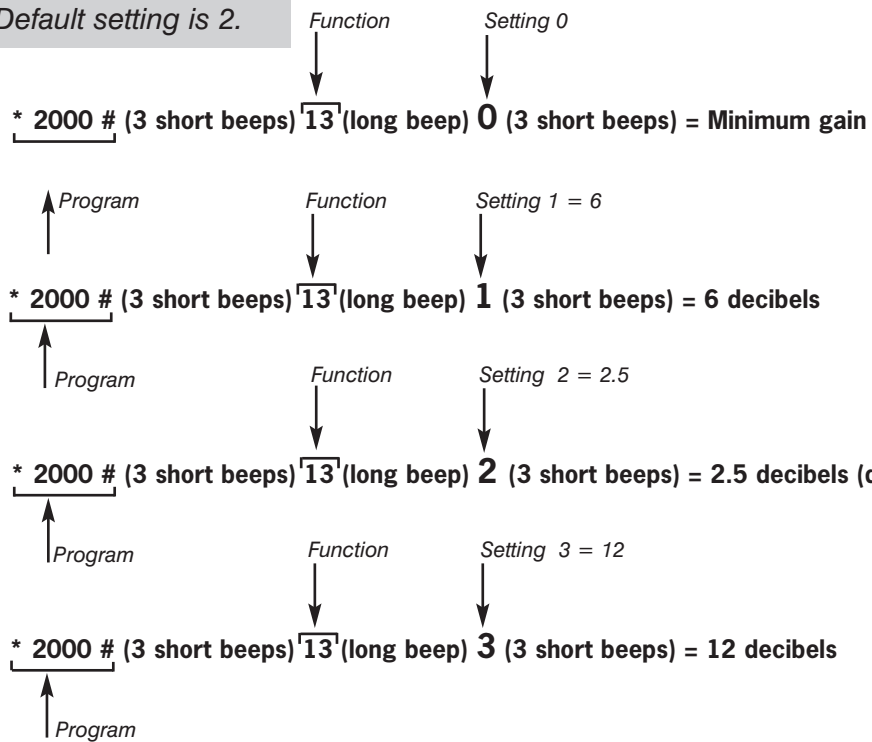
Default setting is 8.

Volume range 00 - 15.



**Microphone Gain:
Speech Up Level**

Default setting is 2.

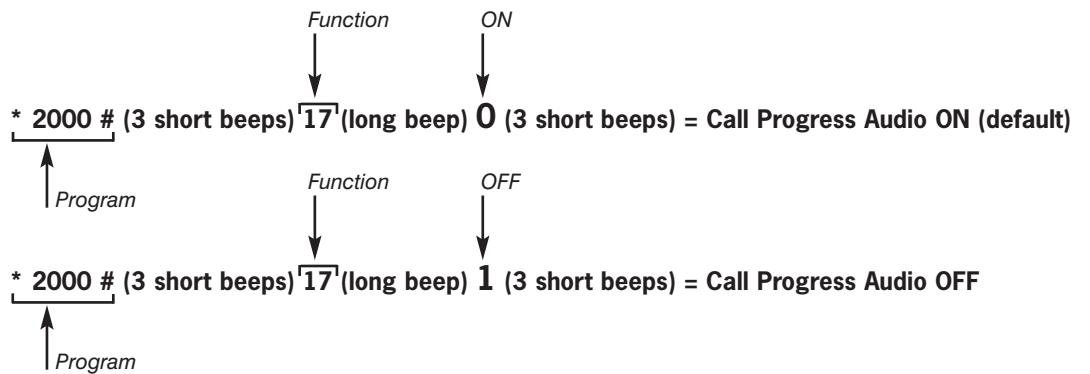


**Function
13**

**Call Progress
Audio Reassurance**

Default setting is Audio ON.

Visitor can hear the progress of call to correspondent ie dial tone, dialling of telephone / extension number, ringing etc.

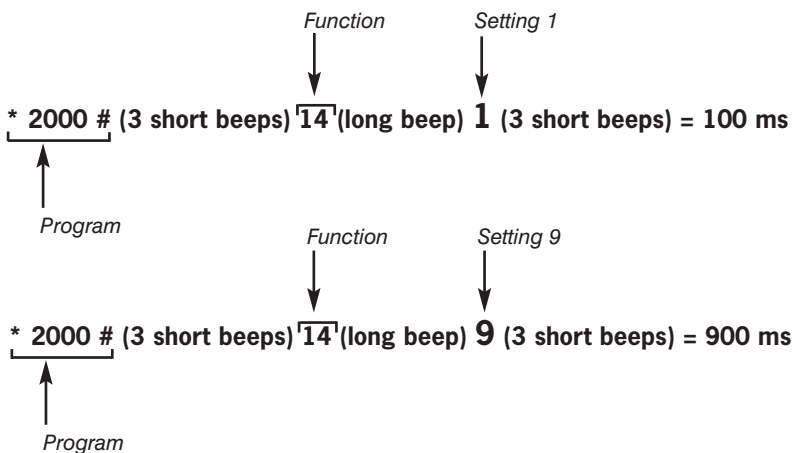


**Function
17**

**Press Duration of
Call-Buttons**

Default setting is 0 = Immediate.

Options are: 1 = 100 ms, 2 = 200 ms, 3 = 300 ms, 4 = 400 ms, 5 = 500 ms, 6 = 600 ms, 7 = 700 ms, 8 = 800 ms, 9 = 900 ms.


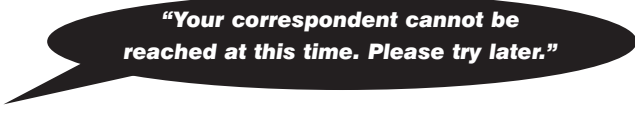
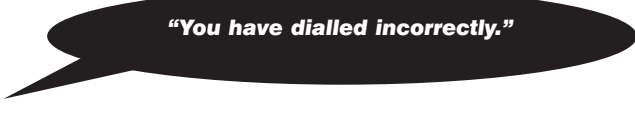
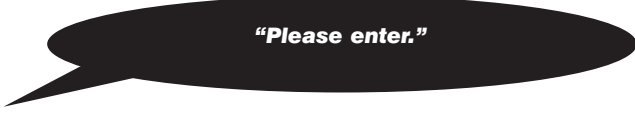
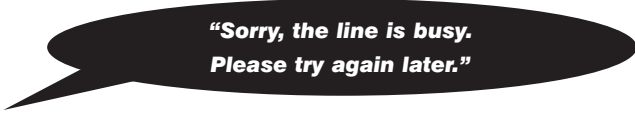
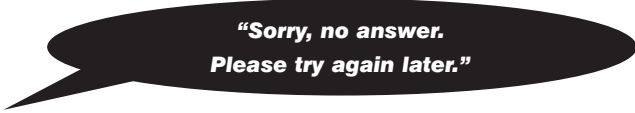
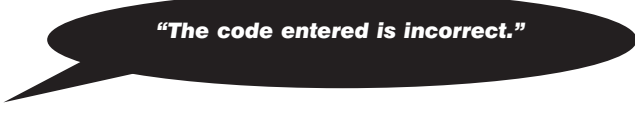

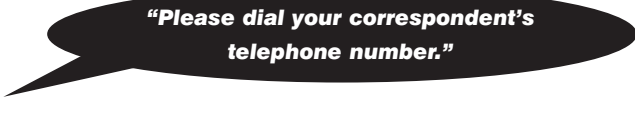



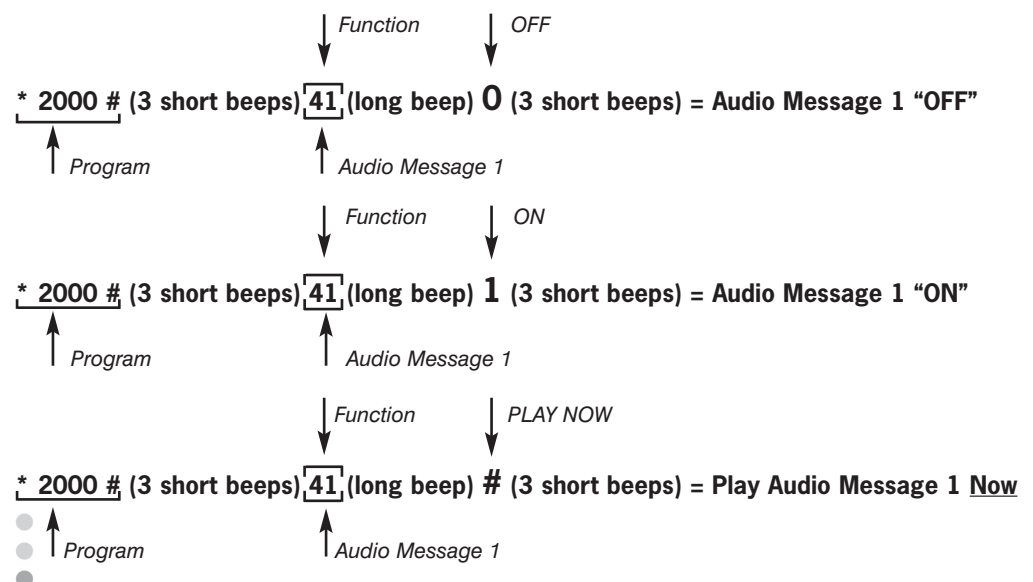
**Function
14**

I.E. How long does the button have to be pressed before it is acknowledged by the TVTEL panel?

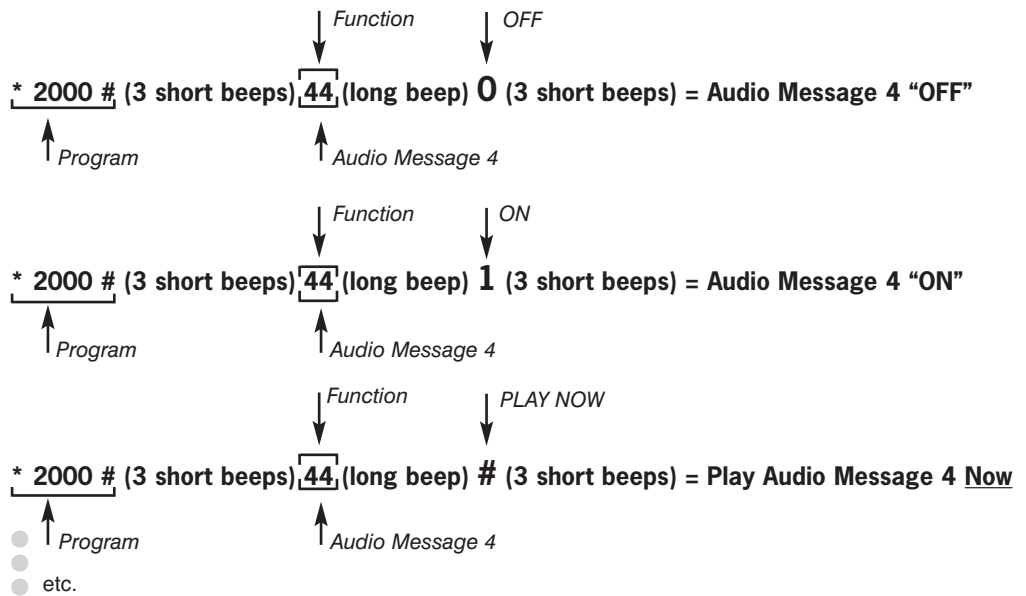
TVTEL panels “talk” to visitors. These audio messages can be set to either ON or OFF to suit the installation.

Functions 40-49

Message 1:		Function 41
Message 2:		Function 42
Message 3:		Function 43
Message 4:		Function 44
Message 5:		Function 45
Message 6:		Function 46
Message 7:		Function 47
Message 8:		Function 48
Message 9:		Function 49
Message 10:		Function 40



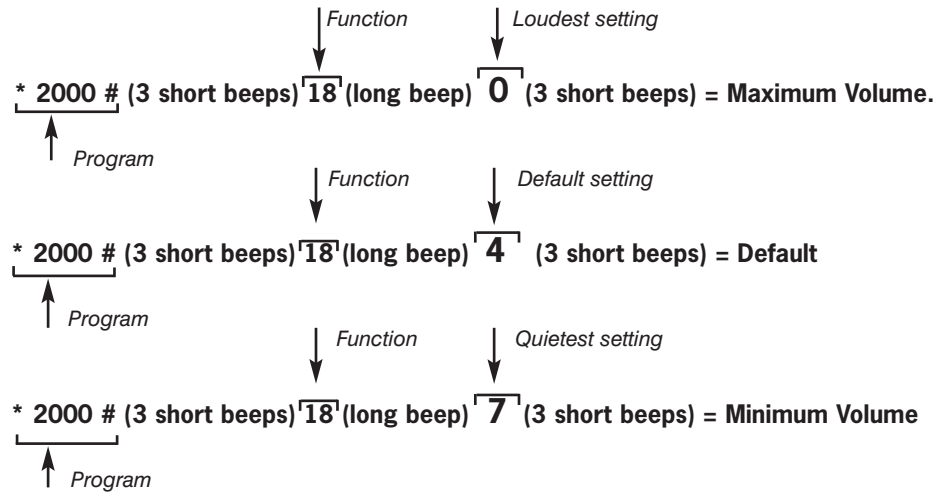
Audio Messages



Audio Message Volume

Default setting is 4. Volume range 0–7.

Function
18

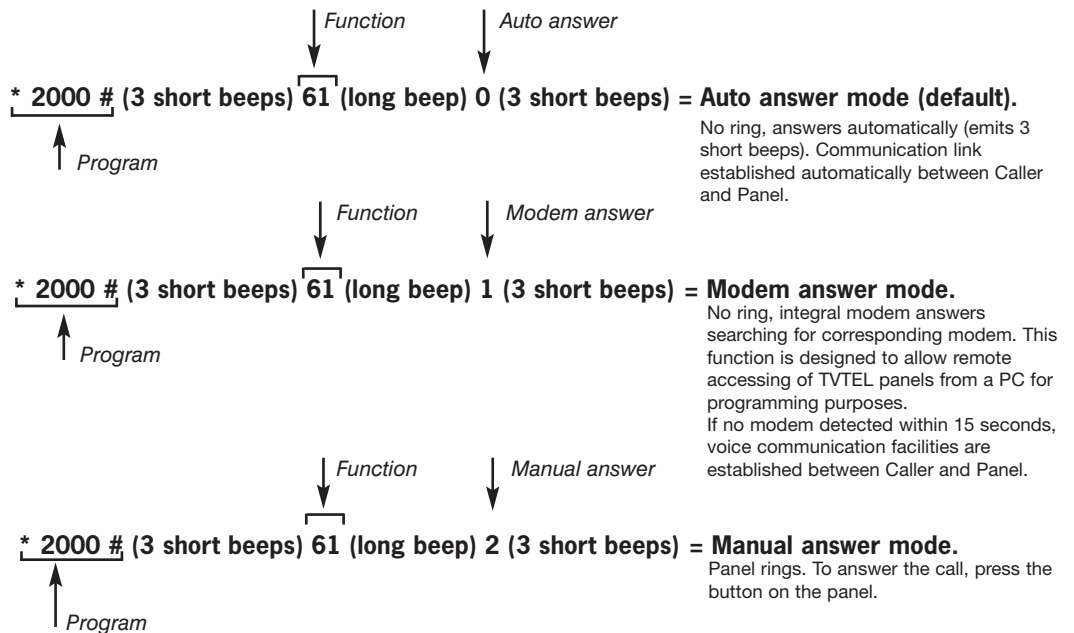


Answer Mode on Call-Up of Panel

Default setting = Auto answer mode

TVTEL PB can be programmed to ring to signal an incoming call. The call is answered by pressing the button on the panel – simultaneously activating “handsfree” communication with the caller. To delete a Speed Dial telephone number:

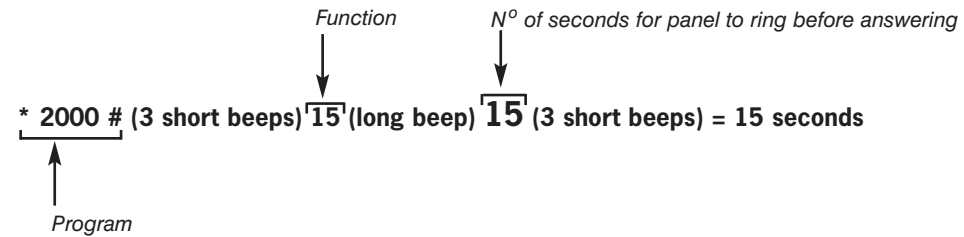
Function
61



**On Call - Up,
Panel to Ring for X
Seconds Before
Answering Call from
Remote Handset**

Default setting is 0 seconds.

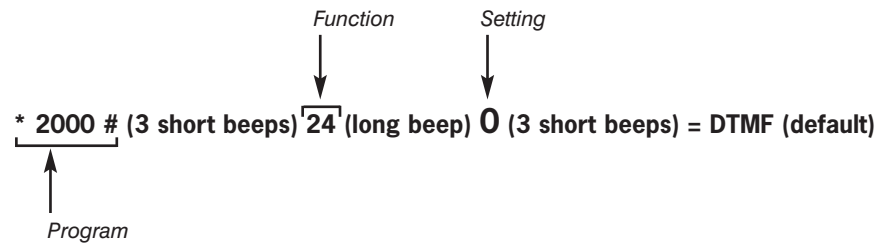
Options are: 00 = 0 seconds (minimum), 99 = 99 seconds (maximum).



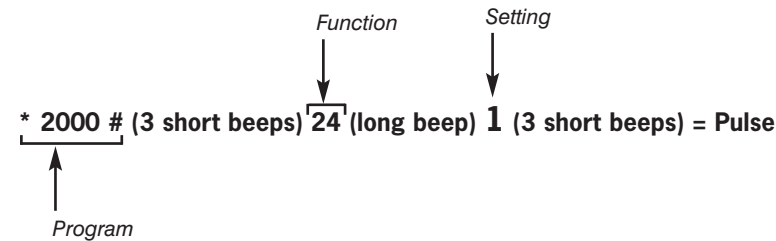
**Function
15**

**DTMF (Analogue)
or Pulse Dialling**

Default setting is 0 = DTMF.



**Function
24**

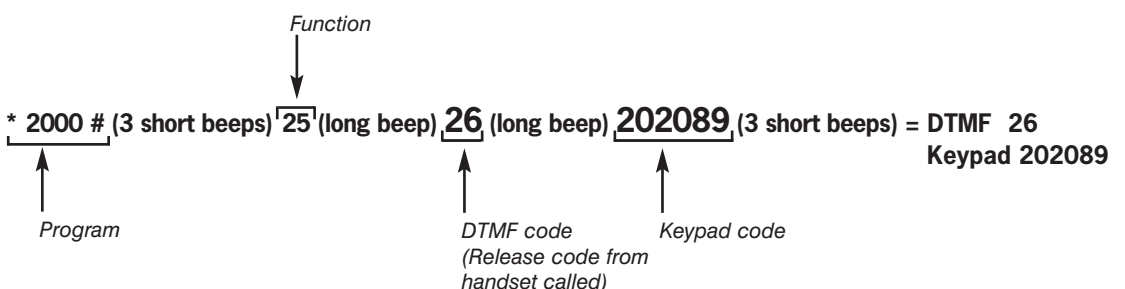
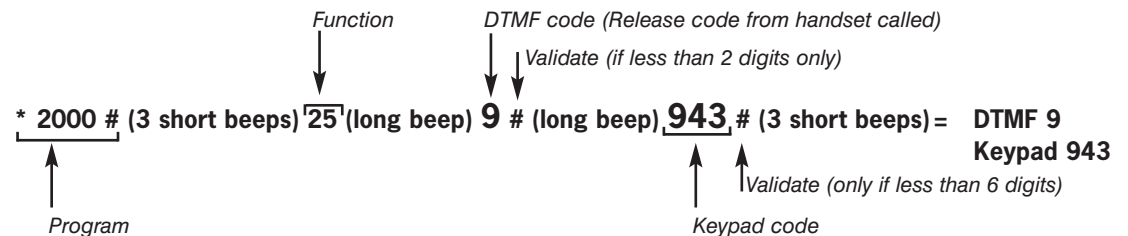


**Programming DTMF
Code + Keypad
Code for Relay N° 1**

To release the door:

From the handset called ie to activate Relay n° 1, the person answering the call must enter a 1 or 2 digit code on the keypad of the handset. This is the DTMF code. Default DTMF code = 0.

Via the keypad ie to activate Relay n° 1, program a keypad entry code of 1 to 6 digits. **The user must press the # button on the panel followed by the keypad code to activate the relay.** Default Keypad code = 12345.



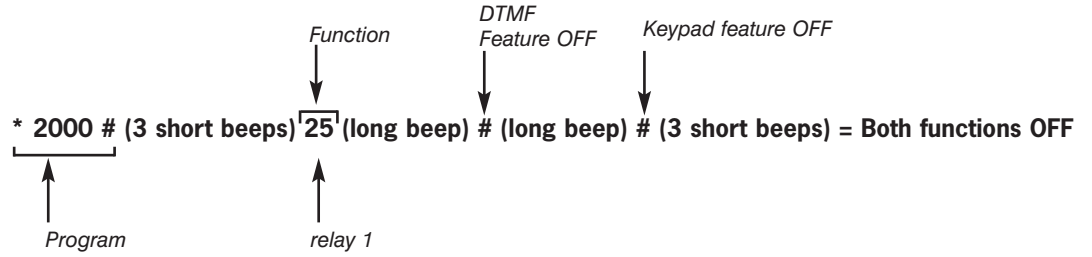
To activate Relay N° 1 at the panel ie open the door via the keypad, the authorised person must enter: # before Keypad code.

Example: #943
#202089

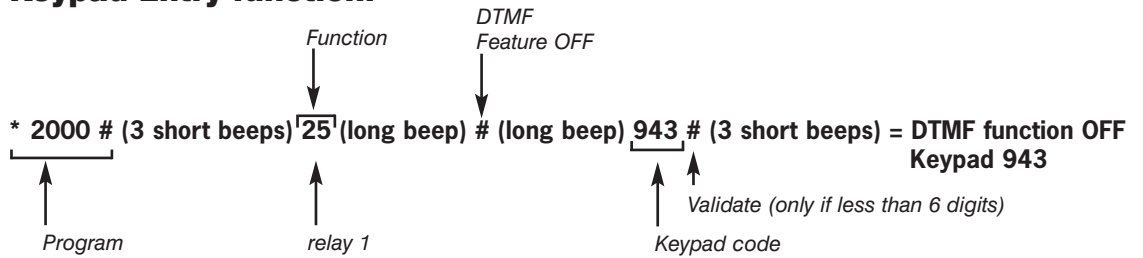
Note:

If DTMF code is only 1 digit, enter # after number (digit) chosen. If Keypad code is less than the maximum 6 digits, enter # after number chosen.

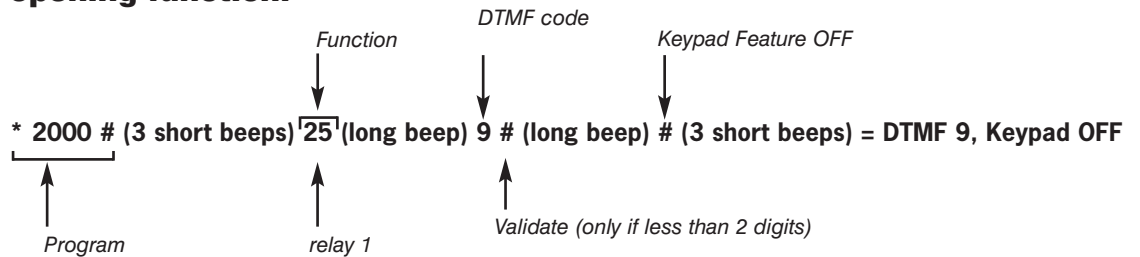
To disable both the DTMF remote opening function and the Keypad Entry function:



To disable the DTMF remote opening function but not the Keypad Entry function:

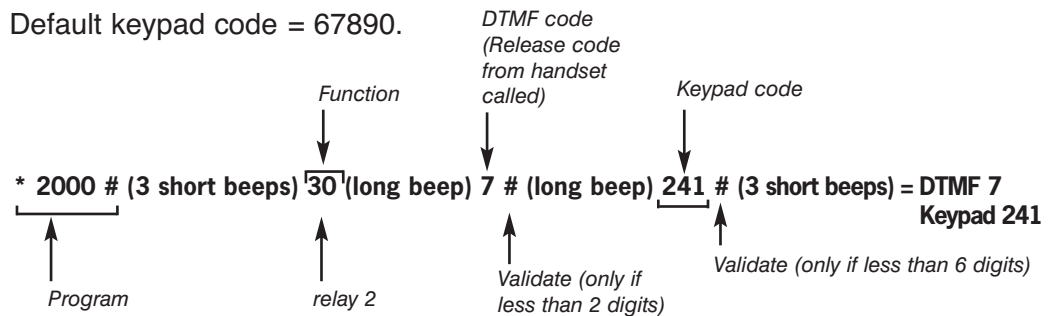


To disable the Keypad Entry function but not the DTMF remote opening function:



Exactly as for Relay N° 1 except for:

Default DTMF code = 2.
Default keypad code = 67890.



Programming DTMF Code + Keypad Code for Relay N° 2

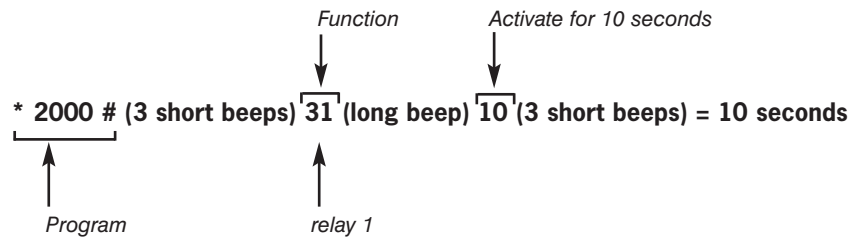


Programming Operating Time for Relay N° 1

Default setting = 05 seconds

For how many seconds is Relay N° 1 to operate when activated.
Minimum 01 seconds, Maximum 99 seconds.

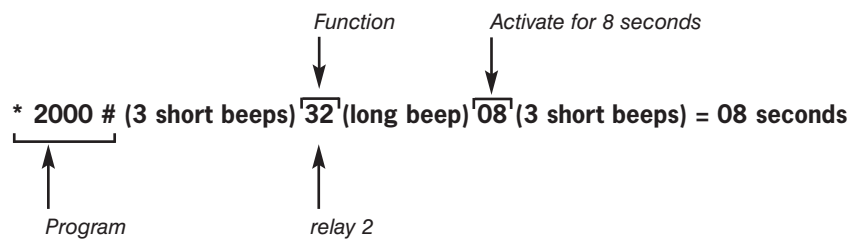
Function 31



Programming Operating Time for Relay N° 2

Exactly as for Relay N° 1 except for:

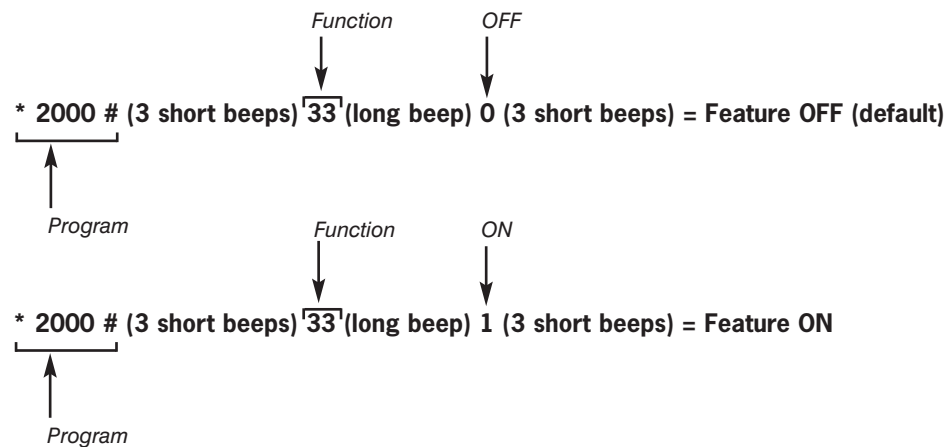
Function 32



Pressing any Button on Panel activates Relay N° 2 for 5 seconds

Default setting = OFF

Function 33

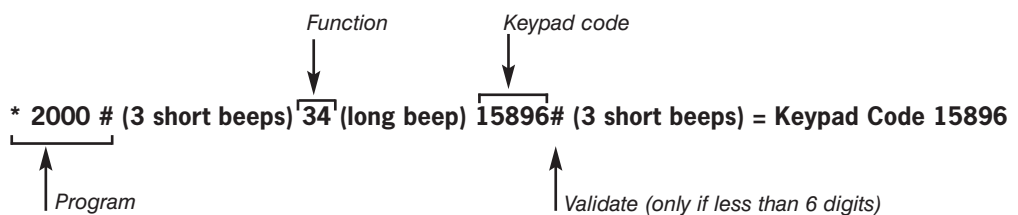


Programming an additional Keypad Code to activate Relay N° 1

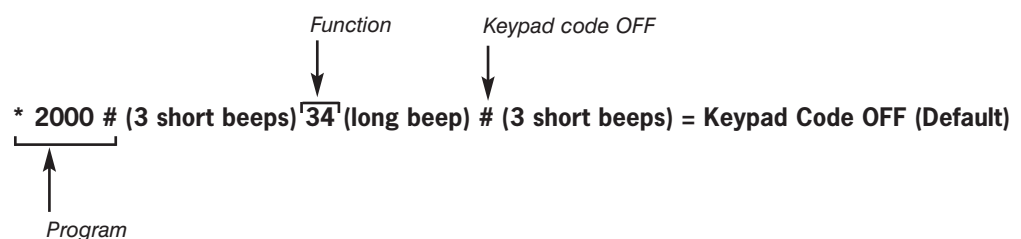
Program an additional Keypad entry code of 1 to 6 digits.

Only enter # after number chosen if Keypad code less than the maximum 6 digits.

Function 34



To disable this Keypad Code:



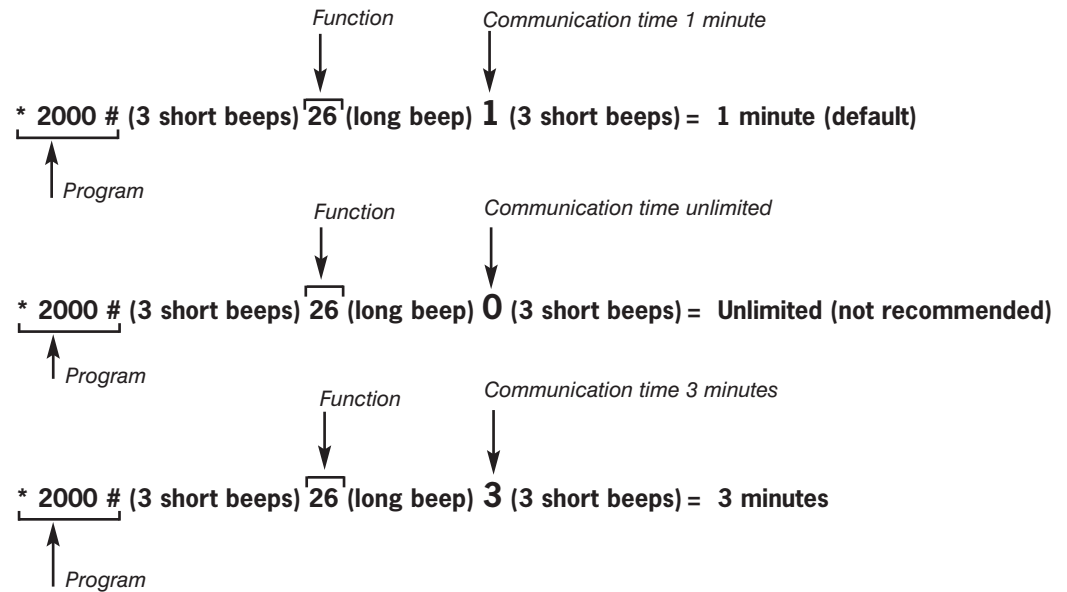
TVTEL 240 ONLY

**Programming
Communication
Time**

Default = 1 minute

Communication time between the panel and the handset called can be from 1 - 9 minutes or of unlimited duration.

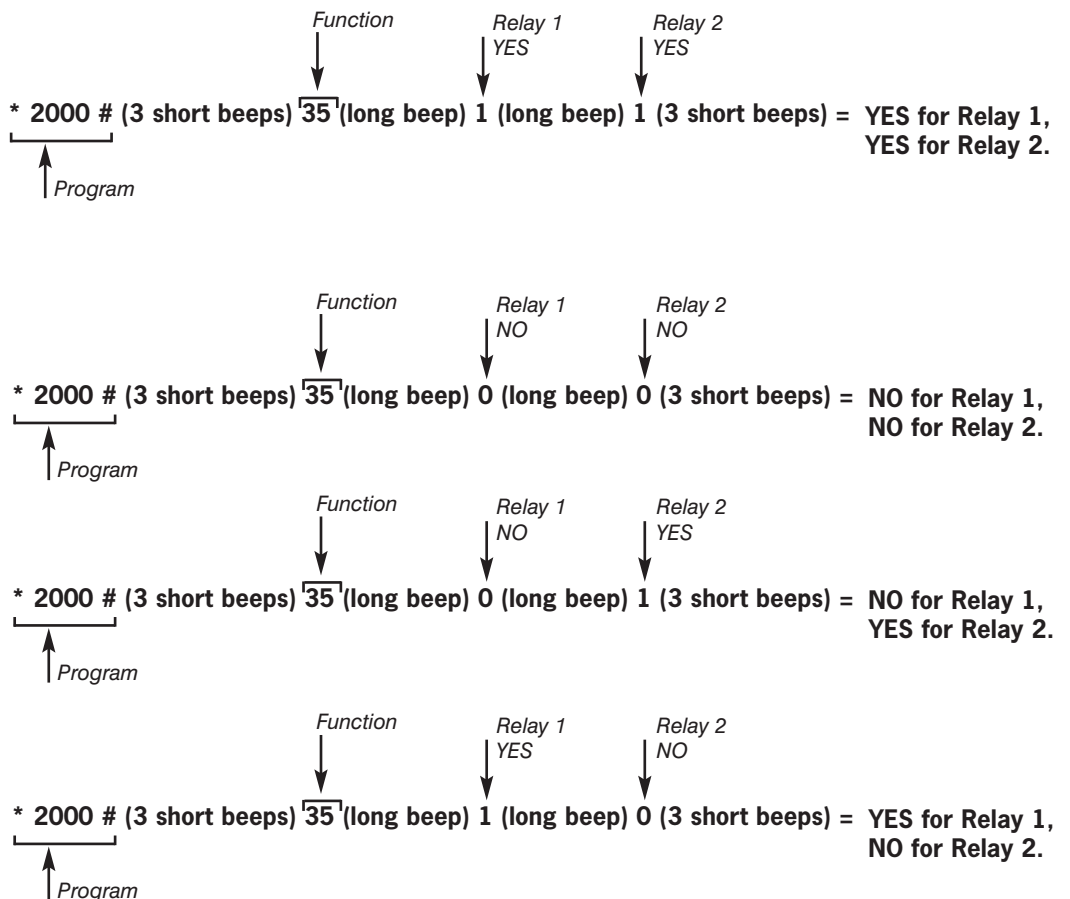
**Function
26**



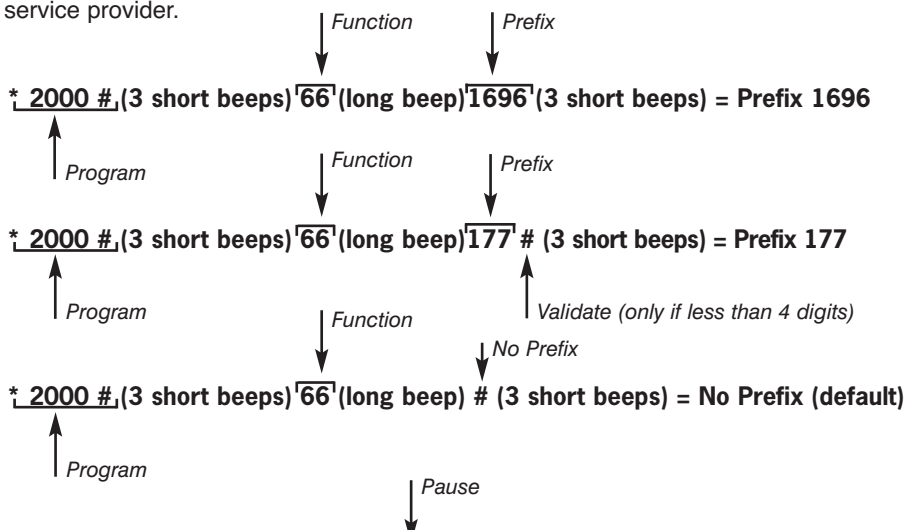
**Communication
ends after
activation of Relay
N° 1 , Relay N° 2...**

Default = YES for Relay 1, YES for Relay 2.

**Function
35**



The TVTEL panel can be programmed to automatically add a prefix (maximum 4 digits) to all pre-programmed telephone numbers in order to route all calls through a preferred telecom service provider.



This prefix can, of course, be **9** or **9*** if TVTEL is connected to a PABX system.
 Note: Use the integral programming features of the PABX to take advantage of, for example, least Cost Routing etc.

Function 66

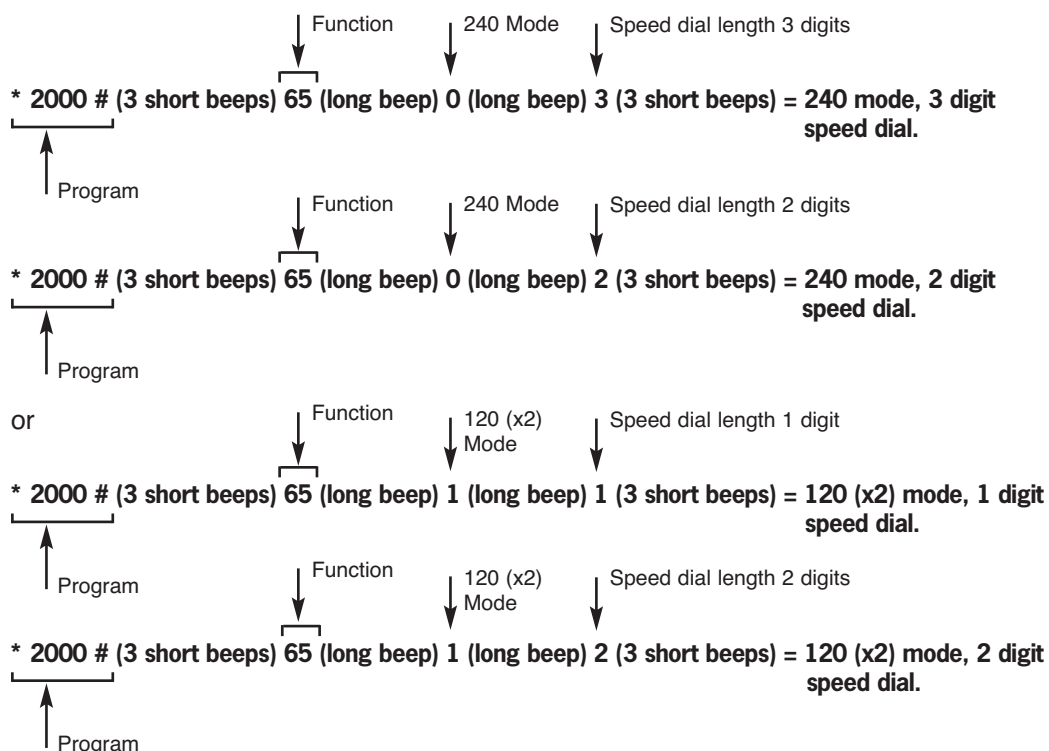
Speed Dial Operational Mode

The TVTEL 240 Speed Dial model offers a choice of operational modes:

- Panel can call a maximum of 120 n° flats, homes or offices - 2 n° telephone numbers available per flat, home or office (Default Setting 120 x2 mode).
- Panel can call a maximum of 240 n° flats, homes or offices - 1 n° telephone number per flat, home or office (240 mode).

THE SPEED DIAL LENGTH IS PROGRAMMABLE FROM 1 – 3 DIGITS.

Program speed dial length options as follows: 1 = 1 digit , 2 = 2 digits , 3 = (default) 3 digits, 0 = speed dial feature off.



Examples of the instructions engraved on the panel. These can, of course, be customized to suit your application.

ENGRAVING

If 1 digit speed dial (max 9 flats):

Enter 1 for flat 1, 2 for flat 2 etc and await answer.

If 2 digit speed dial (max 99 flats):

Enter 01 for flat 1, 12 for flat 12 etc and await answer.

If 3 digit speed dial (max 240 flats):

Enter 001 for flat 1, 012 for flat 12 etc and await answer.

TVTEL 240 ONLY

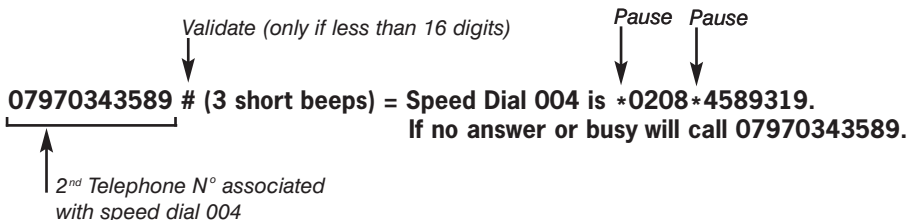
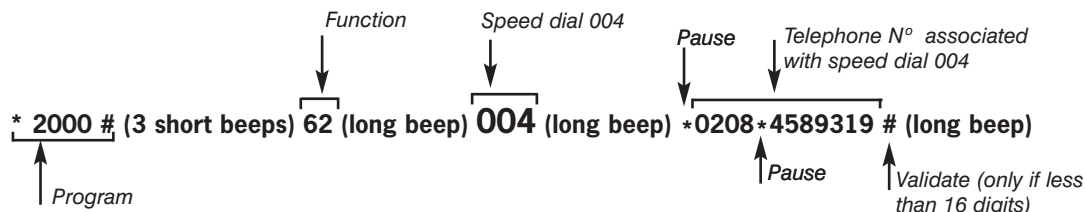
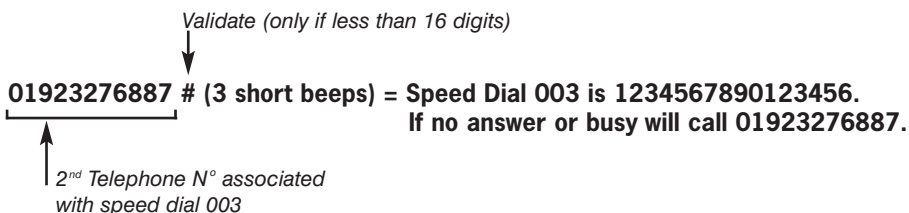
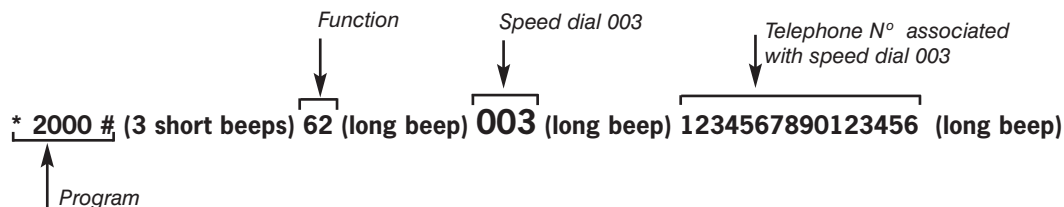
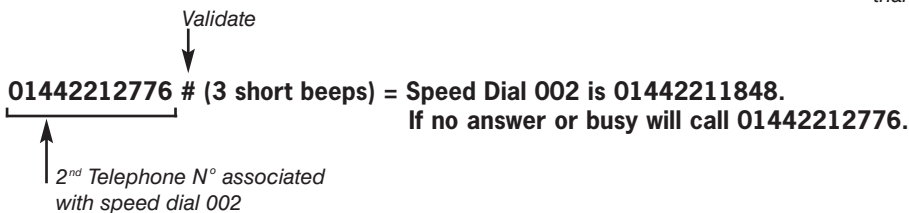
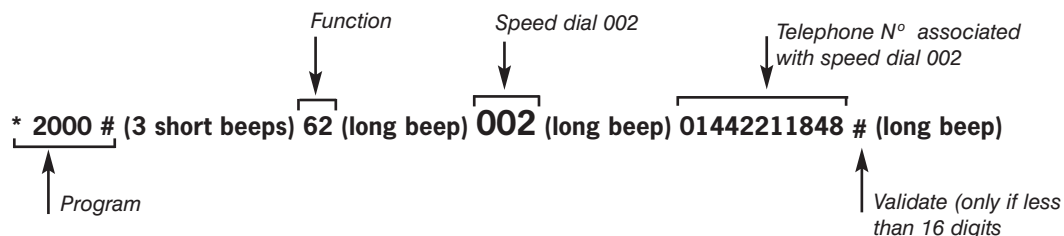
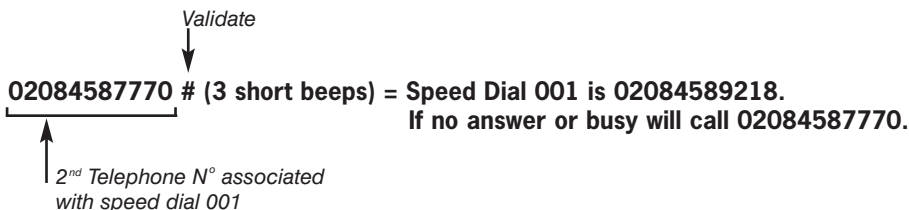
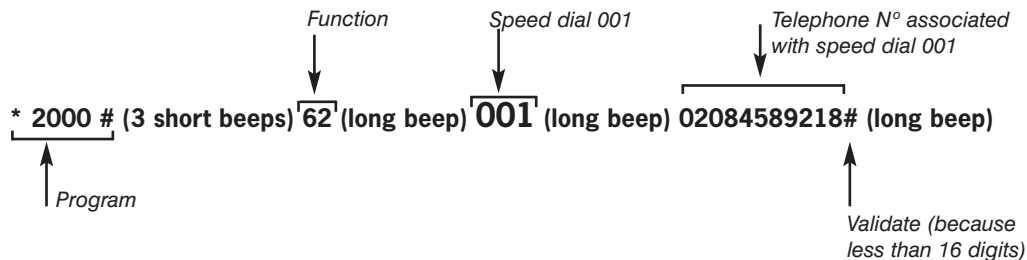
Function 65

**Programming
Speed Dial
Numbers
120 (x2) Mode**

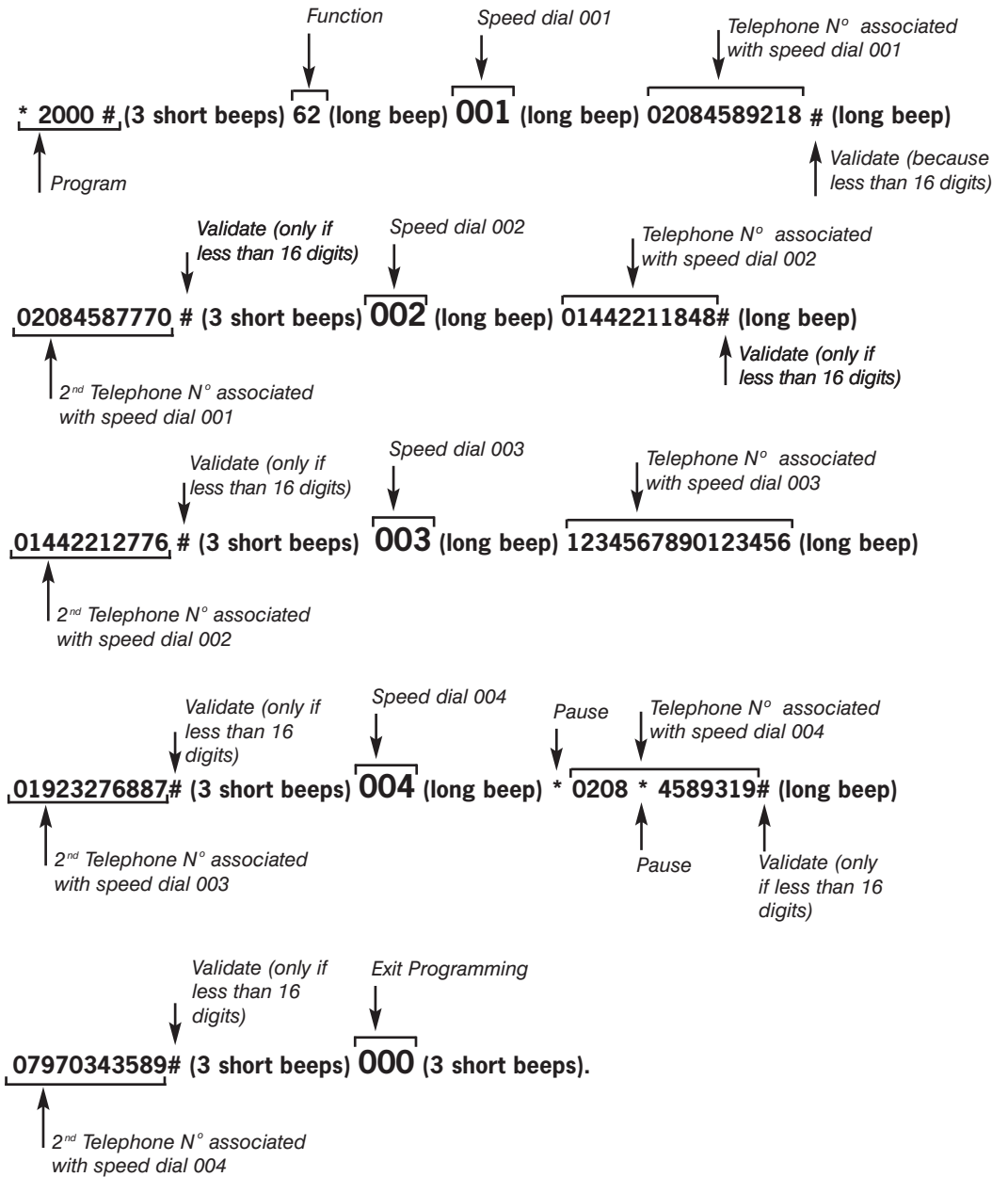
The TVTEL 240 panel is set up in 120 (x2) Mode. It can call a maximum of 120 n° flats, homes or offices - 2 n° telephone numbers per flat, home or office. These telephone numbers can be a maximum of 16 digits each in length including pauses. A pause is programmed as a *.

**Function
62**

TVTEL 240 ONLY



TVTEL 240 ONLY



Note:

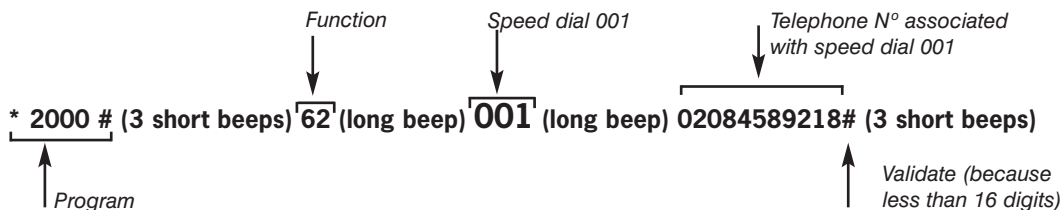
- (1) If the Speed Dial telephone number is less than the maximum 16 digits allowed (including pauses), enter # after the telephone number.
- (2) Enter 000 to exit programming mode.

Programming Speed Dial Numbers 240 Mode

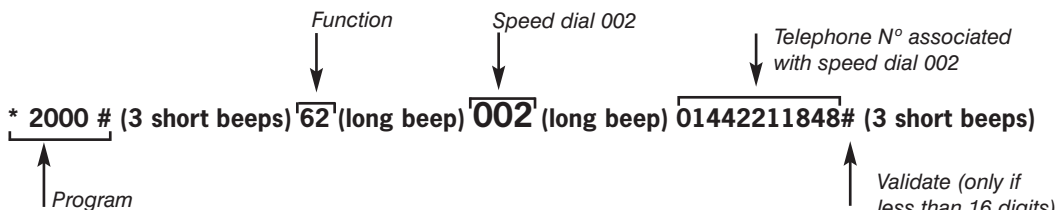
Function 62

TVTEL 240 ONLY

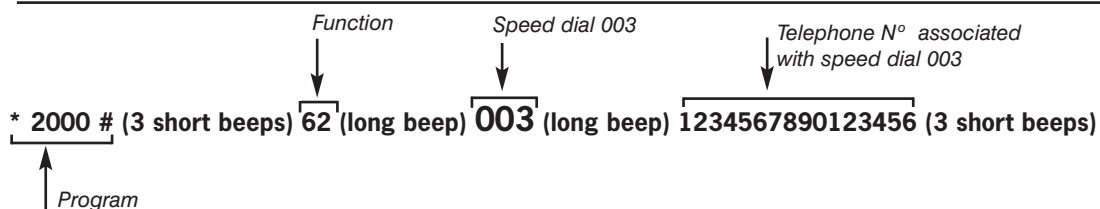
The TVTEL 240 panel is set up in 240 Mode. It can call a maximum of 240 N° telephone numbers. These telephone numbers can be a maximum of 16 digits each in length *including* pauses. A pause is programmed as a *.



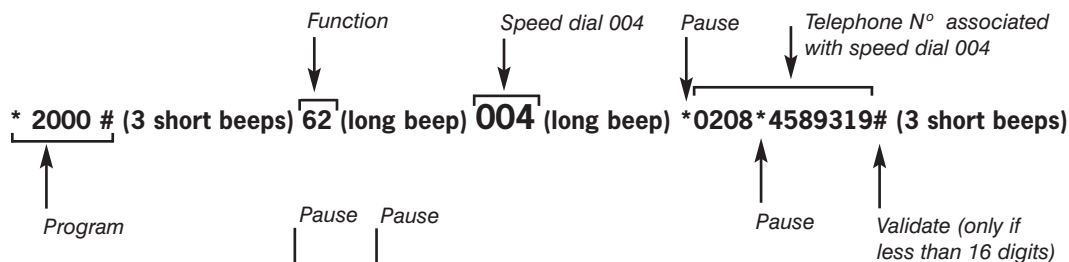
= Speed Dial 001 is 02084589218.



= Speed Dial 002 is 01442211848.



= Speed Dial 003 is 1234567890123456.



= Speed Dial 004 is *0208*4589319.

Note:

- (1) If the Speed Dial telephone number is less than the maximum 16 digits allowed (including pauses), enter # after the telephone number.
- (2) Enter 000 to exit programming mode.

Deleting a Speed Dial Telephone Number

TVTEL 240 ONLY

To delete a Speed Dial telephone number:

Function
Speed dial 003
Delete

↓
↓
↓

* 2000 # (3 short beeps) 62 (long beep) 003 (long beep) # (3 short beeps)

↑
Program

= Deletes the telephone number(s) stored for Speed Dial 003.

Programming - Intervention Mode on Call-Up of Panel

Default = Full Communication mode

TVTEL can be called from any DTMF (touch-tone) telephone provided, of course, the telephone or extension number of its telephone line is known. This security feature can be default set to either (a) Full Communication mode (b) Discrete mode.

Function 27

Function
Full

↓
↓

* 2000 # (3 short beeps) 27 (long beep) 0 (3 short beeps) = Full Communication mode (default).

↑
Program

Function
Discrete

↓
↓

* 2000 # (3 short beeps) 27 (long beep) 1 (3 short beeps) = Discrete mode.

↑
Program

Full Communication mode allows the caller to immediately talk to the visitor and, if required, open the door. Discrete mode disables the loudspeaker enabling the caller to listen-in to the panel environment undetected.

Note: The caller ie caretaker/concierge/resident can switch once from Discrete mode to Full Communication mode during the call by pressing the # on their telephone without affecting the pre-programmed Intervention Mode on Call-Up.

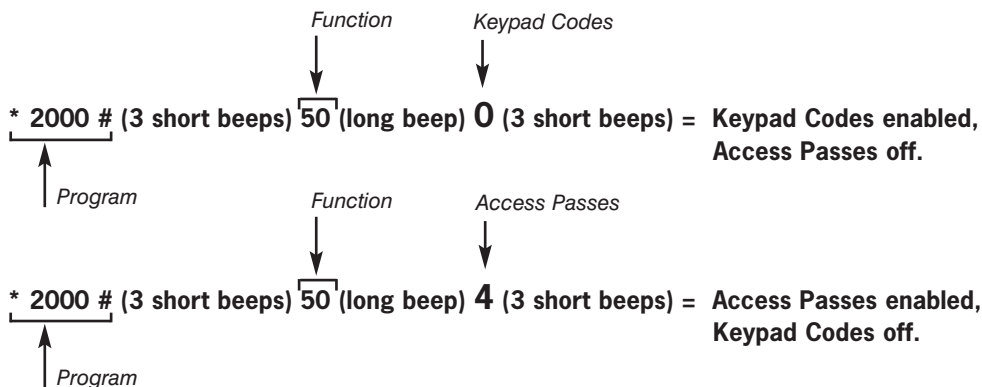
Keypad Codes / Access Passes

Default = Keypad Codes.

Capacity 1024 keypad codes length 3–6 digits or, 512 Access Passes.

Function 50

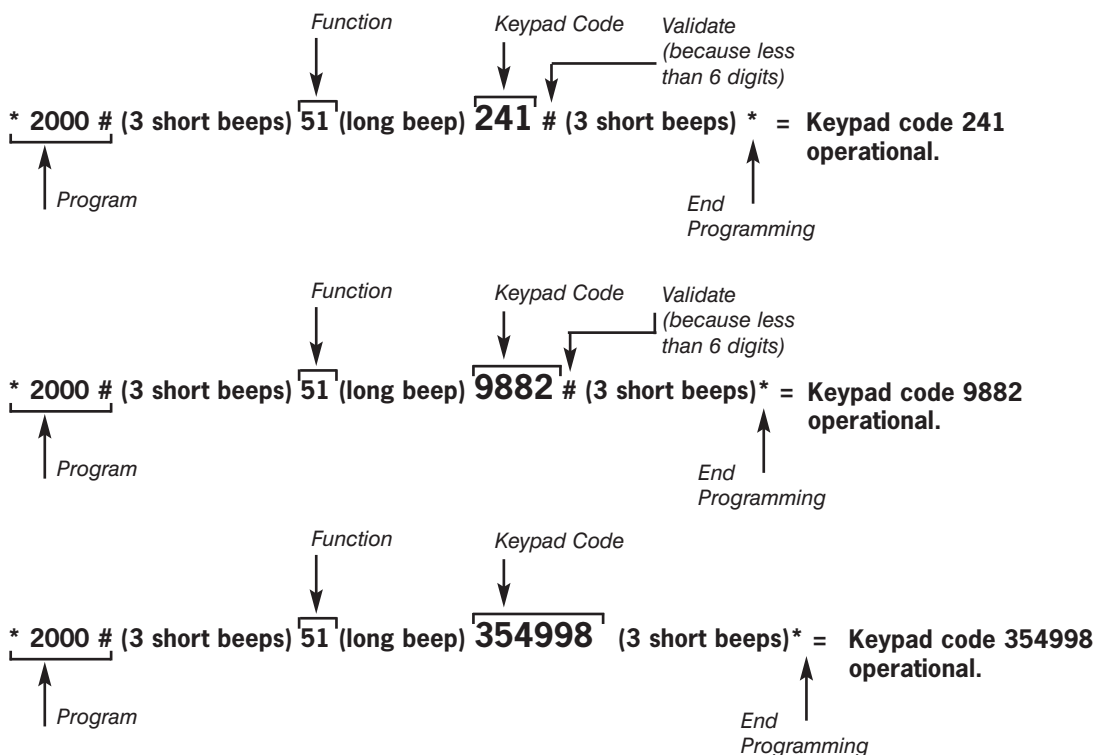
Keypad Codes on TVTEL 240 only.



Programming Keypad Codes for Relay N° 1

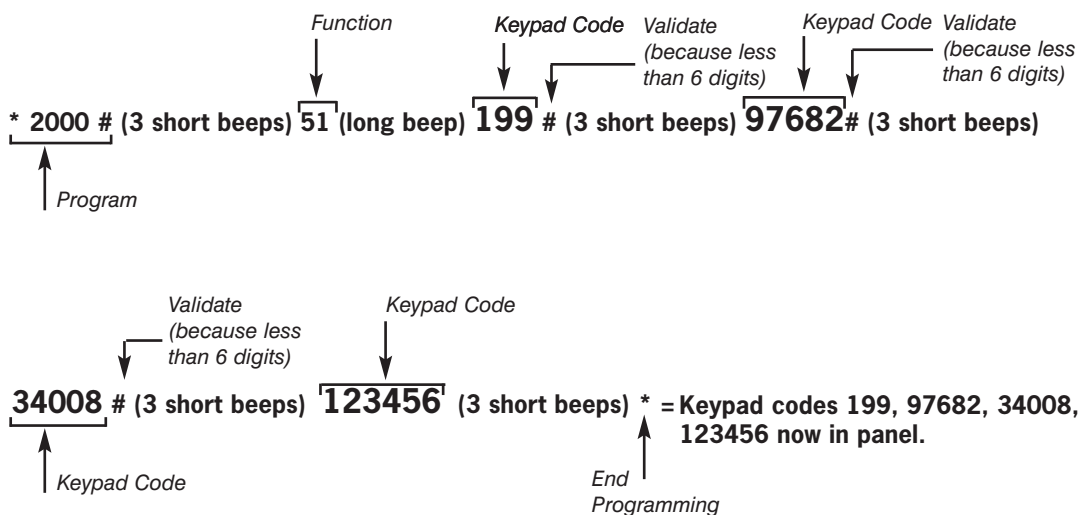
Function 51

TVTEL 240 ONLY



Repeat process for each keypad code. Enter # after a code with less than 6 digits. An incorrect programming operation or, capacity exceeded, is notified by 2 long beeps. Press the * to exit from programming mode.

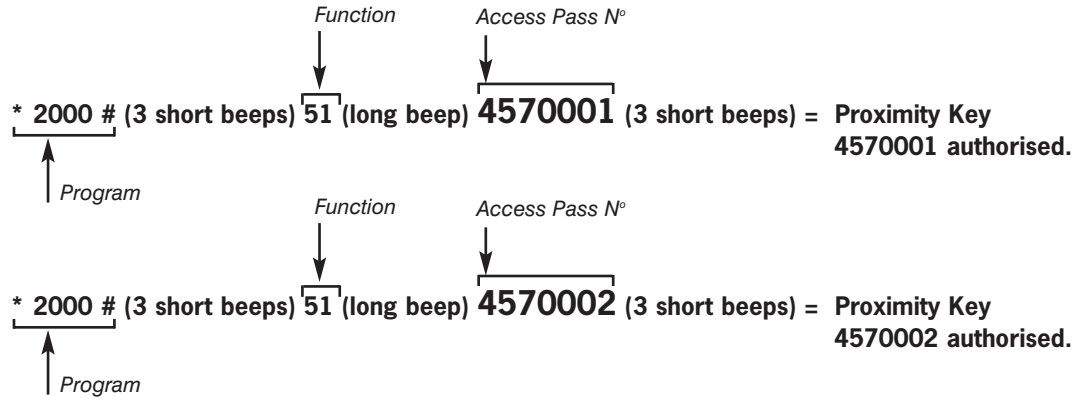
Tip Wizard:



**Programming
Noralsy® Access
Pass For Relay N° 1**

Access Passes are engraved with a unique 7 digit number. Example: KCP300 Proximity Key numbers 4570001, 4570002, 4570003 etc.

**Function
51**



Press * (3 short beeps) to exit programming.

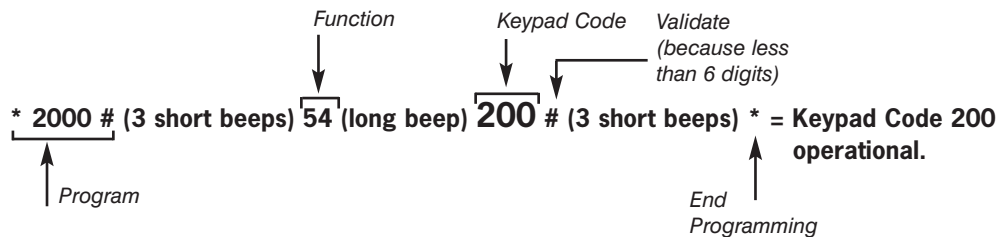
Noralsy® Access Control Readers

- MLP3-TVT proximity reader = KCP300 Proximity Key
- LTP03-TVT proximity reader = KCP300 Proximity Key
- LHF-TVT radio receiver = TELBIPHF Radio Transmitter
- MIR-TVT infra-red receiver = TELBIP Infra-Red Transmitter

**Programming
Keypad Codes For
Relay N° 2.**

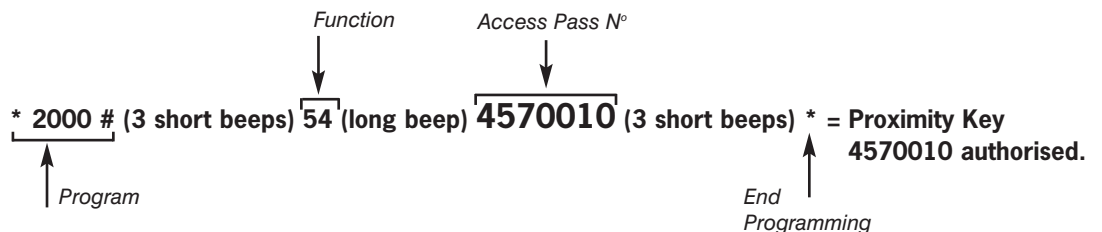
TVTEL 240 ONLY

**Function
54**



Repeat process for each keypad code. Programming exactly as per Relay N° 1.

**Programming
Noralsy® Access
Pass For Relay N° 2.**



Repeat process for each Access Pass. Programming exactly as per Relay N° 1.

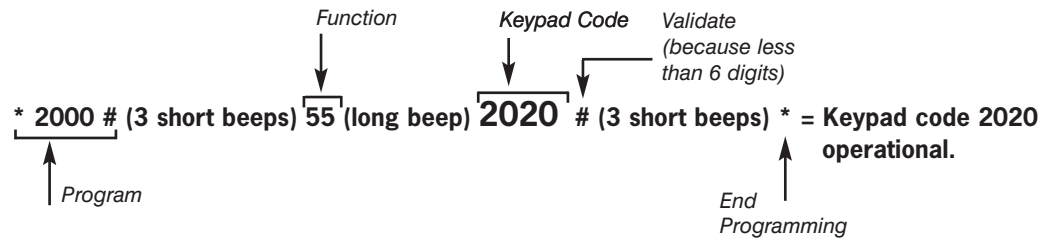
**Function
54**

Programming Keypad Codes For Relay N° 1 and Relay N° 2.

TVTEL 240 ONLY

Function
55

Entering these keypad codes on the panel will activate Relay 1 and Relay 2 simultaneously.

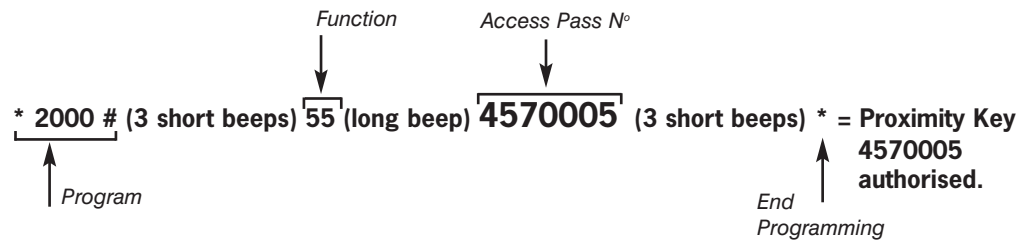


Repeat process for each keypad code. Programming exactly as per Relay N° 1.

Programming Noralsy® Access Pass For Relay N° 1 and Relay N° 2.

Function
55

Presenting these Access Passes will activate Relay 1 and Relay 2 simultaneously.



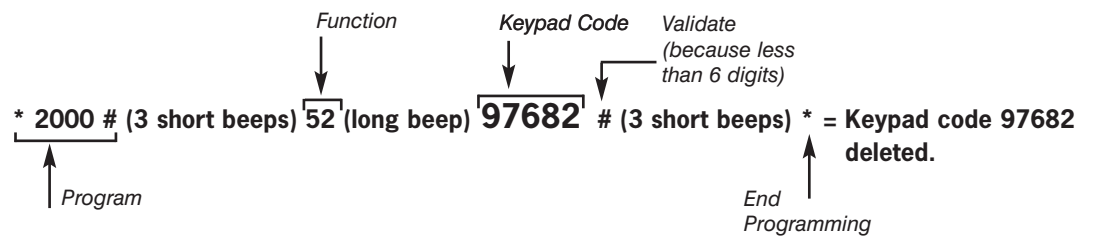
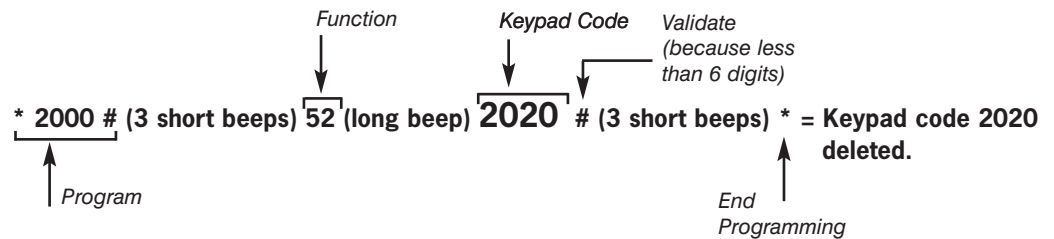
Repeat process for each Access Pass. Programming exactly as per Relay N° 1.

Deleting a Keypad Code

TVTEL 240 ONLY

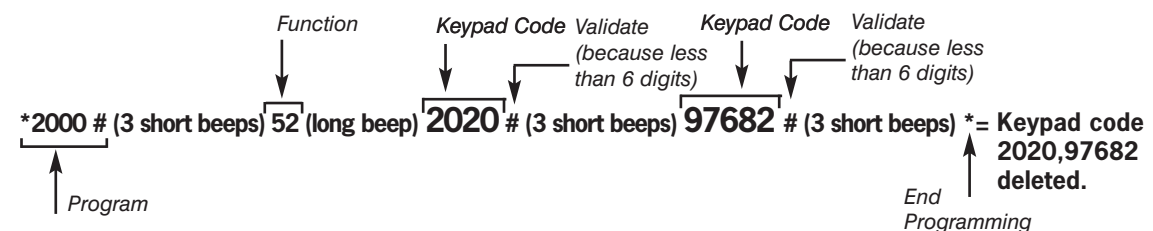
Function
52

To delete a keypad code, enter its number ie the keypad code itself (followed by # if it is less than 6 digits in length).



Repeat the process for each keypad code to be deleted.

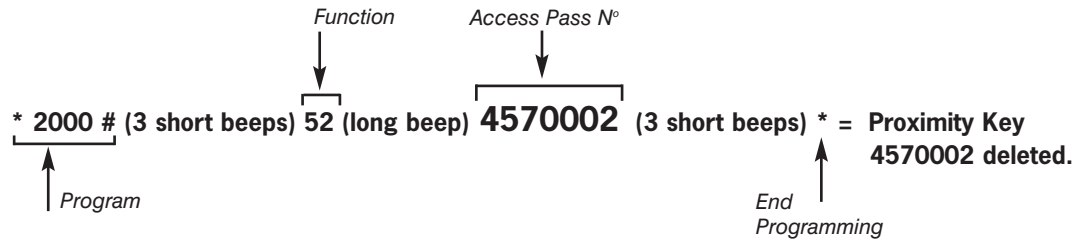
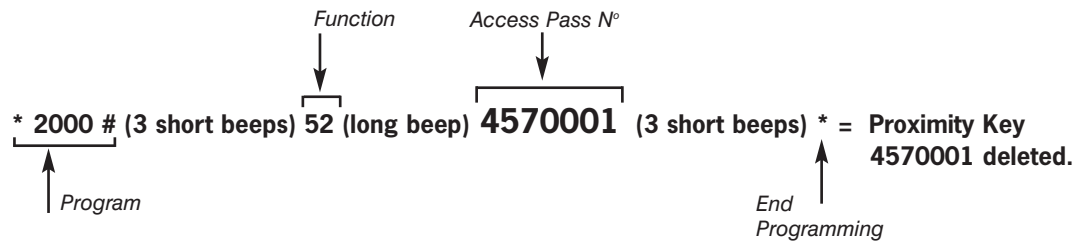
Tip Wizard



Deleting a Noralsy® Access Pass

Access Passes are engraved with a unique 7 digit number. Example: KCP300 Proximity Key numbers 4570001, 4570002, 4570003 etc.

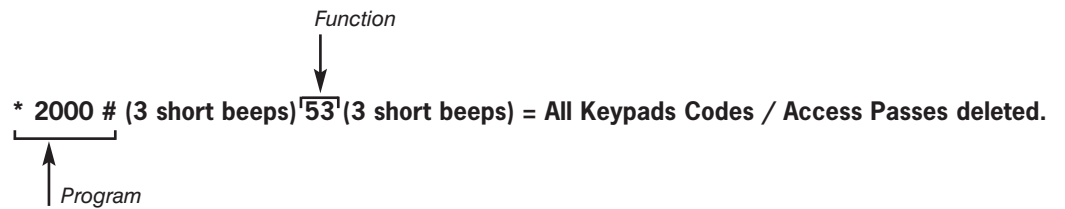
Function 52



Deleting all Keypad Codes / Access Passes

To delete all Keypad Codes / Access Passes in one operation.

Function 53



Number of Seconds for Handset to Ring before TVTEL "Hangs Up"

Default setting is 25 seconds.

TVTEL will call a handset for a preset number of seconds before cancelling the call. Range available 10 - 99 seconds. Function 64 relates solely to handsets called via either "Speed Dial" or "Direct Dial".

Function 64

TVTEL 240 ONLY

Function 64 relates solely to handsets called via either "Speed Dial" or "Direct Dial".

Handsets to ring for 30 seconds

* 2000 # (3 short beeps) 64 (long beep) 30 (3 short beeps) = Handsets to ring for 30 seconds.

Program

Changing General Parameters Programming Code 2000

Default Programming Code = 2000

The programming code must be 4 digits in length.

To change the code:

New Programming Code for general parameters

* 2000 # (3 short beeps) 90 (long beep) 8402 (3 short beeps) = New programming code 8402.

Program

Changing Call-Button Programming Codes

Call-Button N° 1	=	Default 2001
Call-Button N° 2	=	Default 2002
Call-Button N° 3	=	Default 2003
Call-Button N° 14	=	Default 2014

The programming code must be 4 digits in length. To change the code for a particular Call-Button:

Function 91

Program Call - Button N° 1

Function

New Programming Code for Call - Button N° 1

* 2001 # (3 short beeps) 91 (long beep) 1200 (3 short beeps)

= New programming code for Call-Button N° 1 is 1200

Program Call - Button N° 2

Function

New Programming Code for Call - Button N° 2

* 2002 # (3 short beeps) 91 (long beep) 1201 (3 short beeps)

= New programming code for Call-Button N° 2 is 1201

Program Call - Button N° 3

Function

New Programming Code for Call - Button N° 3

* 2003 # (3 short beeps) 91 (long beep) 5280 (3 short beeps)

= New programming code for Call-Button N° 3 is 5280

Example: In the future, to program Call-Button N° 1 you will need to enter:

Call - Button 1

Function

1st telephone number (main telephone number)

* 1200 # (3 short beeps) 20 (long beep) 02084579898 # (long beep) etc..

Call - Button N° 1 ON

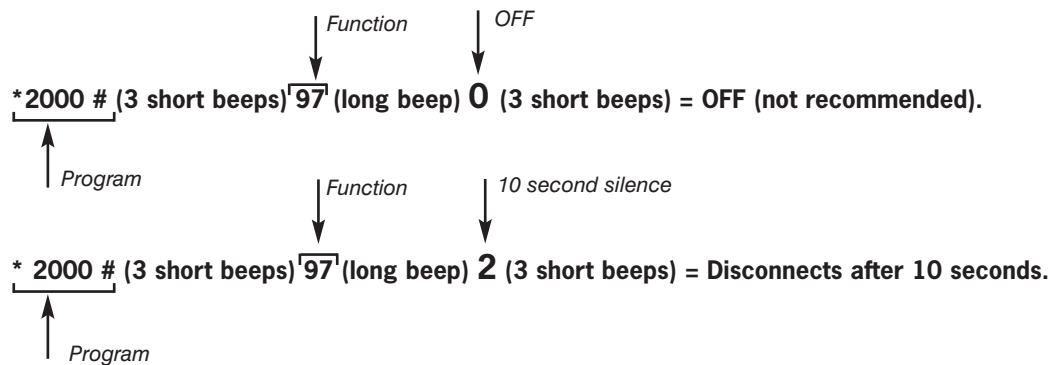
1st telephone number to call (main telephone number)

Validate (because less than 16 digits)

Number of Seconds of Silence before TVTEL "Hangs Up"

Default setting = 10 seconds

TVTEL will hang-up if it does not detect voice or DTMF for 10 seconds.
Range: 1 = 5 seconds, 2 = 10 seconds, 3 = 15 seconds.... 9 = 45 seconds.

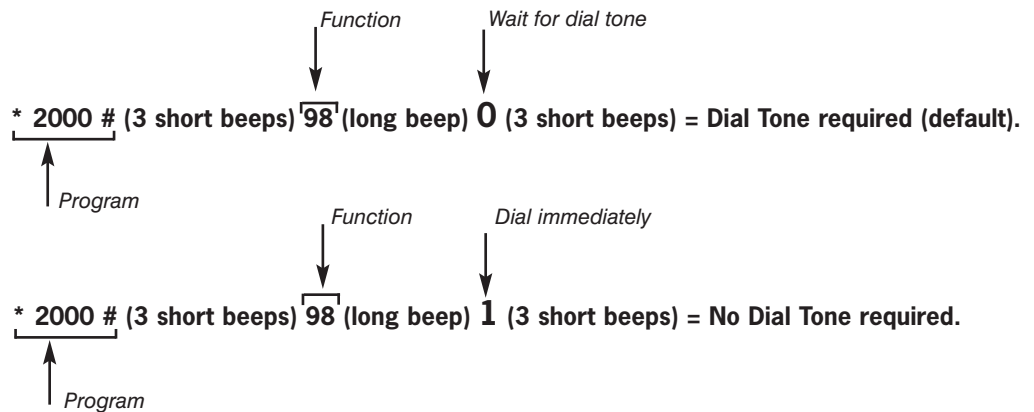


Function 97

Dial Tone

Default setting = Dial Tone required

TVTEL can be programmed to dial even if it does not detect a dial tone. For example, connection to certain PABX systems.



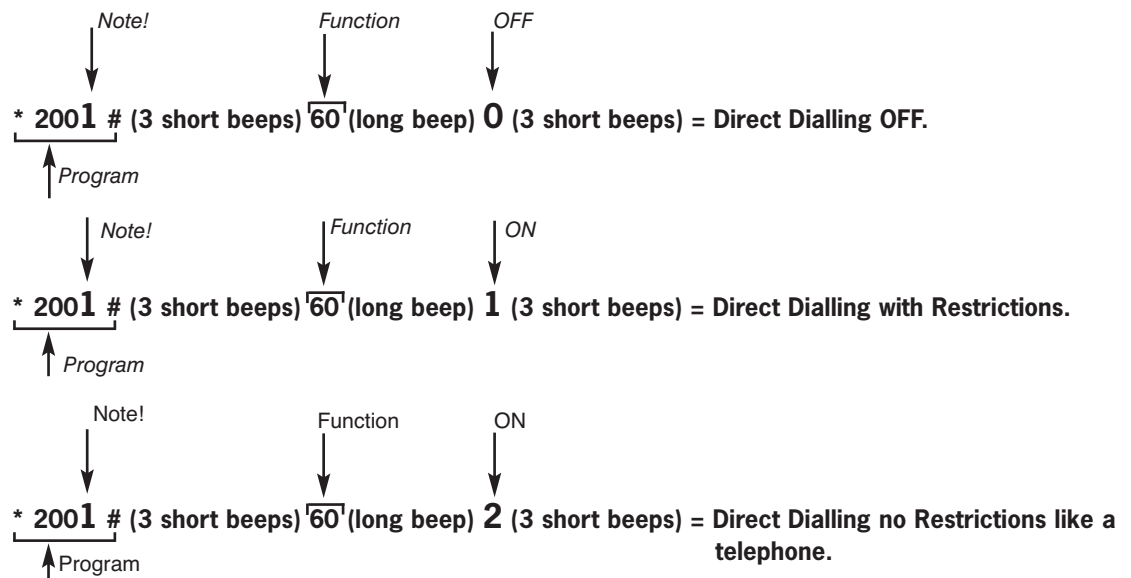
Function 98

Direct Dialling

Default setting = 0 which is Direct Dialling OFF.

TVTEL 240 can be used in either of the following 3 ways:

- Directly by entering a Speed Dial number on the keypad, for example: 68
- Direct Dialling but restricted to preprogrammed telephone numbers ie Press the button to obtain a dial tone and then enter any telephone or extension number associated with a speed dial prefix.
- Direct Dialling like a "Hands-Free" telephone. **The button on the panel is used to obtain a dialling tone** prior to dialling the number and then must be pressed again to end call.



TVTEL 240 ONLY

Function 60

Cancelling a Call

Default settings = Pressing button again cancels the call.

TVTEL can cancel a Call in progress, for example, in the case of visitor error.

Note! *Function* *NO*
 * 2001 # (3 short beeps) 63 (long beep) 0 (3 short beeps) = **Feature OFF. Calls cannot be stopped once in progress.**

Note! *Function* *YES*
 * 2001 # (3 short beeps) 63 (long beep) 1 (3 short beeps) = **Pressing the relevant button again, cancels the Call in progress (default).**

Note! *Function* *ONLY*
 * 2001 # (3 short beeps) 63 (long beep) 2 (3 short beeps) = **Button usage is restricted to only cancelling Calls in progress (Not Recommended).**

Function 63

Sensitivity Level - Voice Detection

Default setting = 3

The higher the sensitivity setting, the quicker the system detects that the Resident has answered the telephone. In situations where there is lots of "noise on the line" it is advisable to reduce to lowest setting ie 0.

Function *Lowest*
 * 2000 # (3 short beeps) 96 (long beep) 0 (3 short beeps) = **Lowest sensitivity**

Function *Default*
 * 2000 # (3 short beeps) 96 (long beep) 3 (3 short beeps) = **Default**

Function *Highest*
 * 2000 # (3 short beeps) 96 (long beep) 9 (3 short beeps) = **Highest sensitivity**

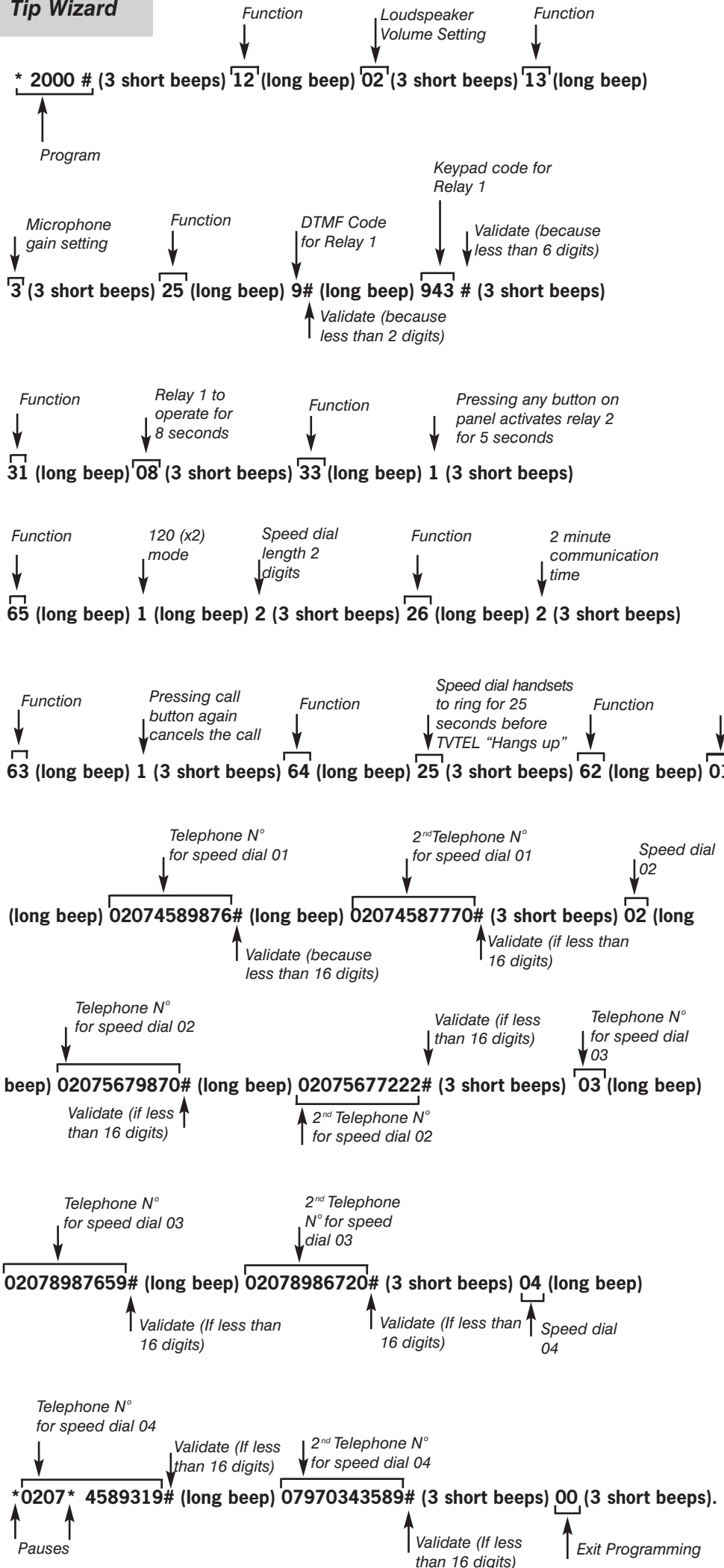
Note: Models purchased prior to July 2002 ie < Version 2.07 only have sensitivity settings 0 = Low 1 = High

Function 96

Programming Example 120 (x2) Mode

Tip Wizard

TVTEL 240 ONLY



After having entered Function 62 "Programming of Speed Dial numbers" you cannot switch to programming of a different function without first exiting from programming mode (enter 00 to exit). Re-enter into programming mode in order to continue programming of other functions.

Programming Example 240 Mode

Tip Wizard

TVTEL 240 ONLY

Function ↓ *Loudspeaker volume setting* ↓ *Function* ↓
*** 2000 # (3 short beeps) 12 (long beep) 02 (3 short beeps) 13 (long beep)**

↑
Program

Function ↓
3 (3 short beeps) 25 (long beep) 9# (long beep) 943# (3 short beeps)

↑
Microphone gain setting

↑
DTMF code for relay 1

↑
Validate (because less than 2 digits)

↑
Validate (because less than 6 digits)
Keypad code for relay 1

31 (long beep) 08 (3 short beeps) 33 (long beep) 1 (3 short beeps)

↑
Function

↑
Relay 1 to operate for 08 seconds

↑
Function

↑
Pressing any button on panel activates relay 2 for 5 seconds

34 (long beep) 100900 (3 short beeps) 26 (long beep) 2 (3 short beeps)

↑
Function

↑
Additional keypad code

↑
Function

↑
2 minute communication time

63 (long beep) 1 (3 short beeps) 64 (long beep) 25 (3 short beeps) 62 (long beep) 001 (long beep)

↑
Function

↑
Pressing call button again cancels the Call

↑
Function

↑
Speed dial handsets to ring for 25 seconds before TVTEL "Hangs Up"

↑
Function

↑
Speed dial 001

02074589876 # (3 short beeps) 002 (long beep) 02075679870 # (3 short beeps)

↑
Telephone N° for Speed dial 001

↑
Validate (because less than 16 digits)

↑
Speed dial 002

↑
Telephone N° for Speed dial 002

↑
Validate (because less than 16 digits)

003 (long beep) 02078987659 # (3 short beeps) 004 (long beep)

↑
Speed dial 003

↑
Telephone N° for Speed dial 003

↑
Validate (because less than 16 digits)

↑
Speed dial 004

↓
Exit Programming

02078759090 # (3 short beeps) 000 (3 short beeps).

↑
Telephone N° for speed dial 004

↑
Validate (because less than 16 digits)

After having entered Function 62 "Programming of Speed Dial numbers" you cannot switch to programming of a different function without first exiting from programming mode (enter 000 to exit). Re-enter into programming mode in order to continue programming of other functions.

Function 36

* 2000 # (3 short beeps) ^{Function} 36 (long beep) ^{OFF} 0 = Latch feature OFF

↑ Program

* 2000 # (3 short beeps) ^{Function} 36 (long beep) ^{ON} 1 = Latch feature ON

↑ Program

After receiving a call from the door panel, the Resident/Correspondent needs to press the * button on the telephone handset **after** entering the pre-programmed relay activation code **and** hearing the message "The code entered is correct" (or, 3 short beeps) but **before** the end of the pre-programmed activation time of the relay in question. ↓ Hold Open Command

Example:

DTMF release code for Relay 1 = 0

Normally, Resident/Correspondent simply presses the 0 button on the telephone handset to activate relay n° 1 for the X n° of (pre-programmed) seconds. To latch open relay n° 1, the 0 must be followed, after hearing the message "Please Enter" (or, 3 short beeps), by the *. ↓ Activate Relay 1

← Hold Open Command

DTMF release code for Relay 2 = 2

Normally, Resident/Correspondent simply presses the 2 button on the telephone handset to activate relay n° 2 for the X n° of (pre-programmed) seconds. To latch open relay n° 2, the 2 must be followed, after hearing the message "Please Enter" (or, 3 short beeps), by the *. ↓ Activate Relay 2

← Hold Open (Relay 2)

Clearly, the * button must be pressed before the end of the pre-programmed activation time for the relay in question. Therefore, if relay n° 1 is programmed to activate for 8 seconds, the * button must be pressed before the end of the 8 seconds. ↓ Hold Open Command

It is also possible to latch open both relays simultaneously by pressing 0 "Please Enter" (or, 3 short beeps) 2 "Please Enter" (or, 3 short beeps) followed by * before either relay activation has timed out.

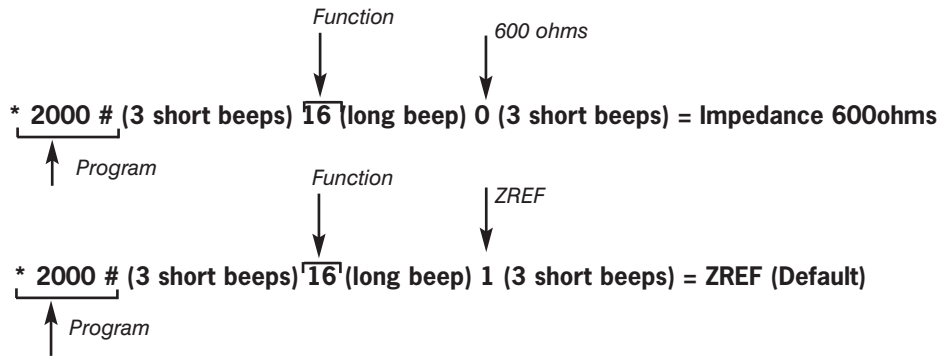
To unlatch, simply enter into communication with the TVTEL door panel by either dialling in from a telephone handset or receiving a call from it. Press 0 for relay n° 1 or 2 for relay n° 2 to return to standby status. ↑ Activate Relay 1 ↑ Activate Relay 2

Activation of either relay 1 or 2 as a result of keypad usage will also cancel hold-open ie cause relevant relay to return to standby status.

Programming Impedance Only

Function 16

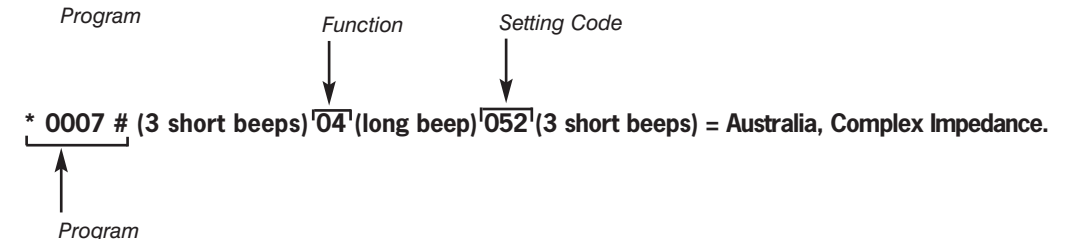
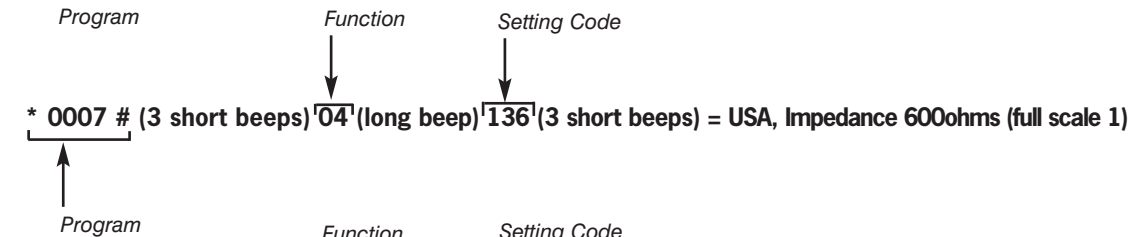
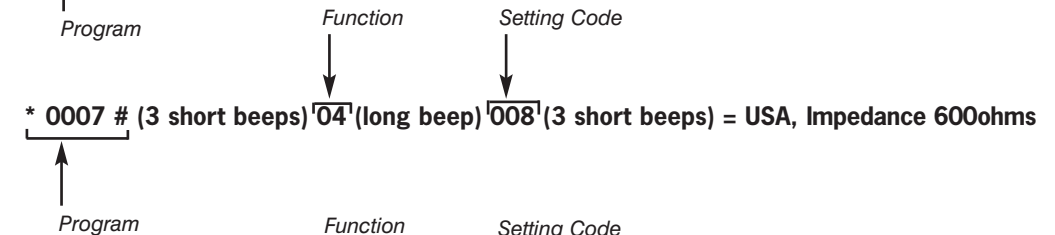
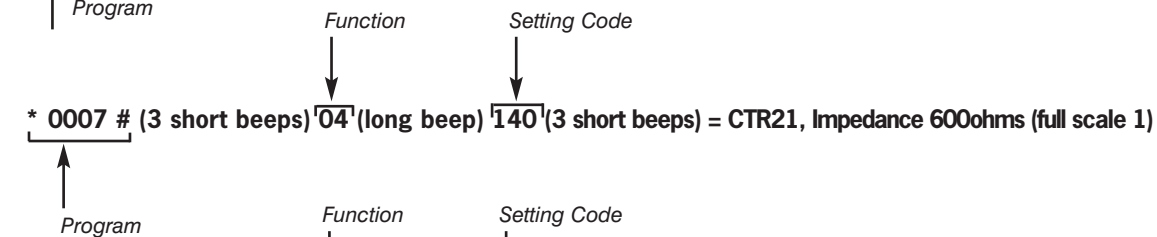
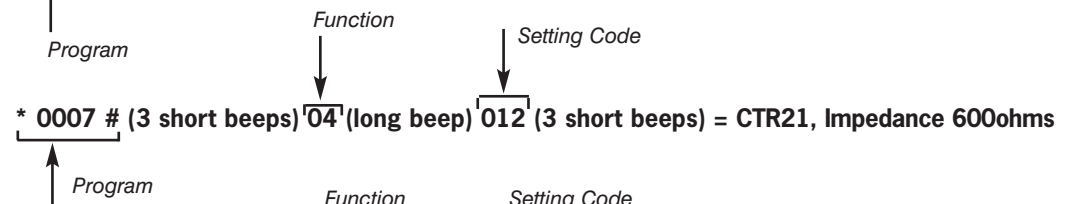
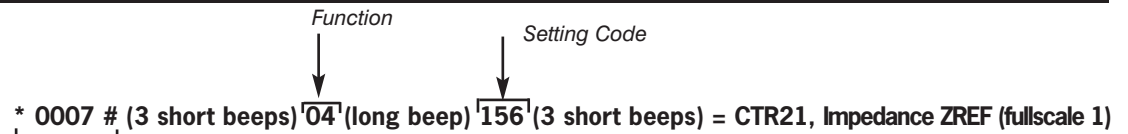
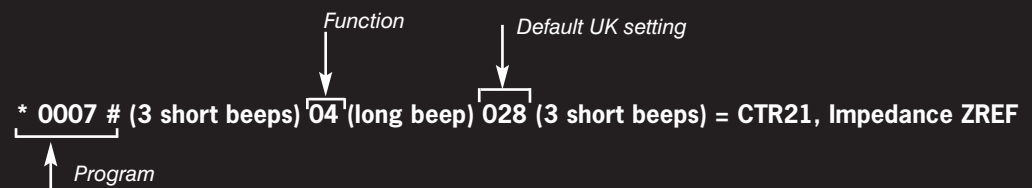
To modify only the impedance type:



Programming DAA & Impedance Setting

Do not change from the UK default setting if connected directly into a BT telephone line via a standard single line jack master socket. This advanced programming feature is only used when the TVTEL panel is connected to a PABX system. The default setting is the correct setting for nearly all PABX systems installed in the UK.

Default setting for UK



Note: Full Scale = 1 enables the addition of a 2.2dB gain to the communication.

Connections:	(1)	BT (Ex-Directory) standard single line PBX jack master socket within 50 metres of TVTEL panel. Call BT on 150 to have "Ring Back Prompt" removed.
	(2)	PABX extension of the internal telecommunications network of a company. Socket to be analogue type (2 wire non digital) or digital with analogue simulation.
Telephones:	(1)	Standard analogue DTMF "Touch Tone"
	(2)	Mobile telephone
	(3)	Cordless telephone
REN Loading:	=1	Maximum REN on any PSTN line = 4. If any 3rd party equipment connected in parallel, for example: burglar alarm, facsimile machine etc. REN loading limit must not be exceeded.
Power Supply:		12V DC (Regulated) +/- 10%
Power Consumption:		Standby 70mA, Maximum 250mA
CE Norms:		EN60950 EN55022 Edition 98 Class B EN55024 Edition 98 Class B
Telecommunications Norms:		CTR21
Operating Temperature:		-35°C to + 50°C non-condensing
Number of Relays:		2
Relay Timers:		Relay 1 = 1- 99 secs Relay 2 = 1- 99 secs
Relay Contact Ratings:		Relay 1 = 2 Amps at 12V DC 1 Amp at 24V DC Relay 2 = 2 Amps at 12V DC 1 Amp at 24V DC
Request to Exit:		2 (N.O. contacts)
Programming:		TVTEL PB is programmed (1) Remotely via a Touch-tone (DTMF) telephone or (2) PC with modem TVTEL 240 is programmed (1) Remotely via a Touch-tone (DTMF) telephone (2) At the panel via the keypad or (3) PC with modem
System Capacity:		TVTEL PB = 1 - 14 buttons (1 - 14 n ^o main telephone numbers + 2 nd telephone numbers). TVTEL 240 = 120 n ^o main telephone numbers + 2 nd telephone numbers or, 240 n ^o main telephone numbers.
Access Control:		1024 Keypad Codes (TVTEL 240 range only) or 512 Access Passes.
Keypad code length:		3 - 6 digits (TVTEL 240 range only)
Tradesbutton facility:		Integral time, day, date programmable timeclock.
Audio Messaging:		Yes
Non-Volatile memory:		Yes
Material:		BS316 grade stainless steel with anti - vandal stainless steel security screws. (Brass panels available to special order)

Default Parameters "Factory Settings"

Relay N^o.1 activated by:	
Telephone handset code	0
Keypad code	12345
Operational time (seconds)	5
Relay N^o.2 activated by:	
Telephone handset code	2
Keypad code	67890
Operational time (seconds)	5
Additional keypad code	OFF
Communication time	1 minute
Handset rings for (seconds)	25
Panel rings for (seconds)	0
Audio messages	On (where applicable)
Ring tones	BT settings
Busy tones	BT settings