

TELCON40 INSTRUCTIONS

The telcon unit plugs into a standard modular phone jack via the phone line jack. The remote line plugs into an external phone line to monitor and use the line. The unit also includes a controller for an external X10 line interface module. The unit should work with the common type PL513 or the TW523. The only requirement for the interconnecting phone cable is that it be reverse wired. This is the normal way the cables are made. To determine if the cable is reverse wired, hold the two cable end connectors side by side and flat side up on both. The wire colors on one connector should have the colors reversed on the other.

WITH THE UNITS INSTALLED AND READY FOR CHECK OUT

Turn the power switch on. The "POWER" and "GRAB" LED'S should light. The "GRAB" LED will stay on for 5 seconds. The unit is grabbing the line to allow you to enter either the security code or the house code for the remote X10 units.

Security codes and house codes are stored in zero power memory. This means you can turn the unit off without losing your codes.

SECURITY CODE

Determine if you require a security code. If a security code is used, the caller must enter the code to gain access to the unit. This prevents anyone else from listening in or breaking in on the other line.

HOW TO PROGRAM A SECURITY CODE:

Try and use a simple code that is easy to remember. Use a maximum of 8 digits. The simplest code would be a 1 digit code. The digits can also be entered to spell words - "692633" = "MYCODE"

With the unit installed on your line and near a phone connected to the same line, pickup the handset and turn the unit power "ON". You have 5 seconds to start entering the code. The "GRAB" line is on during the entry. The 5 second time is reset after each key press. Use only the number keys for the code. Do not use * or # . # Starts and stops entry.

1. PRESS THE POUND KEY (#)
2. ENTER THE SECURITY CODE (XXXX) WHERE X EQUALS THE NUMBER OR NUMBERS OF YOUR SECURITY CODE
3. PRESS THE POUND KEY (#)

FOR NO SECURITY CODE:

1. PRESS POUND KEY (#) 2 TIMES ## SEQUENCE

HOW TO PROGRAM THE HOUSE CODE:

The remote X10 modules require you set the house code and the unit code. All X10 modules that you wish to control by the phone, must have the same house code. X10 provides that you can set the module to a unit code. There are 16 unit codes so you can control up to 16 separate devices. For this discussion lets set up for house code M.

With the unit installed on your line and near a phone connected to the same line. Pickup the handset and turn the unit power "ON". You have 5 seconds to start entering the code. The grab line is on during the entry. The 5 sec time is reset after each key press. Each key has 3 letters each. You will need to press the key based on the location of the letter on the key.

M IS THE FIRST LETTER OF KEY 6 (MNO)

1. PRESS STAR KEY - *
2. PRESS KEY - 6
3. PRESS STAR KEY - *

IF THE HOUSE CODE WAS "N", THEN THE SEQUENCE IS *66*

IF THE HOUSE CODE WAS "K", THEN THE SEQUENCE IS *55*

IF THE LETTER IS IN THE 3RD LOCATION, THE * IS NOT REQUIRED AS ONLY 3 POSSIBLE PRESSES.

IF THE HOUSE CODE WAS "L", THEN THE SEQUENCE IS *555

STANDARD OPERATIONS

The push-button on the board is used to simulate a telephone ring. This allows you to use the unit without having someone call you. This is convenient when setting up the mic volume as you can select microphone and hear the mic on your phone.

THERE ARE 2 MODES OF OPERATION, "FAST" AND "ONE RING"

FAST: Grabs the phone line as soon as the phone rings.

ONE RING: If more than one ring the unit ignores the call. Ring once and hang up then call back after 10 secs. The unit will grab the line and wait or a security code if used.

You can pickup the phone and press the push button to simulate the ring. Then you can control via the phone. You will however hear the operator telling you you have made a bad call.

WHEN THE PHONE HAS GRABBED THE LINE:

Press the pound key (#) to sequence thru these selections:

1ST PRESS = NOTHING (A)

2ND PRESS = ROOM MICROPHONE ON (B)

3RD PRESS = BREAK IN TO OTHER PHONE (C)
4TH PRESS = RETURN TO (A)

During room microphone and break-in modes the phone line will beep every 10 seconds.

THE STAR KEY (*) IS USED FOR X10 CONTROL ACCESS

Lets assume the house code is "M" and you have a module hooked up to a lamp. The module is also set to the unit code "5". The lamp is therefore "M5". The telcon was programmed at power up to house code "M" (*6*).

THE FUNCTIONS YOU CAN SELECT WITH THE REMOTE X10 MODULES ARE:

TURN ON	=	1	SELECTED MODULE
TURN OFF	=	0	SELECTED MODULE
ALL OFF	=	2,3,4,5,6,7 OR 8	ALL HOUSE CODE UNITS OFF
ALL ON	=	9	ALL HOUSE CODE UNITS ON

You need to first tell TELCON which house unit to talk to. It must be a two digit code for 1 to 16, i.e. 01, 16, etc.

Then you need to tell the function you require. The "ALL ON" or "ALL OFF" functions can use any valid unit code.

TO TURN ON THE LAMP AT CODE M5:

While the line is grabbed and accessed press the following sequence:

*051 = UNIT 5 TURN ON

TO TURN IT OFF:

*050 = UNIT 5 TURN OFF

TO TURN OFF ALL M UNITS:

*052 ; 2 IS ONE OF THE "ALL OFF" KEYS

TO TURN ON ALL M UNITS:

*019 ; 01 IS A RANDOM VALID 01-16 CODE

2 MINUTE TIME OUT

The unit requires that a key be pressed at least once every 2 minutes. If a key is not pressed for 2 minutes, the unit will hang up. If you are listening to the microphone or using the break-in mode make sure you press a number key, not or #, at least every minute to keep your connection.

TERMINATING A CALL

After you have accessed and are ready to quit. Simply hang up your phone and the TELCON will hang up and get ready for your next call.