



## EXTENSION TONE RINGER MODEL K3507

### USER MANUAL

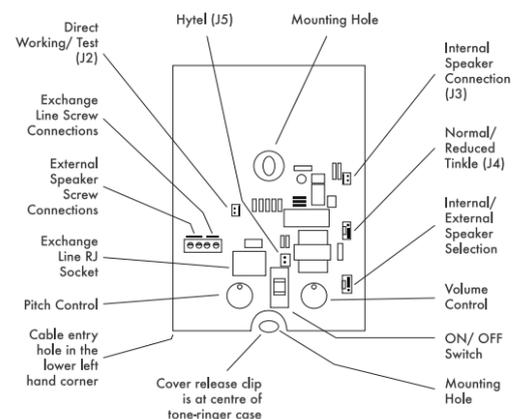
Thank you for your purchase of the Access Extension Tone Ringer. Please read these instructions carefully before connecting, operating or adjusting this product. Refer to this manual for future reference.

#### PACKAGE CONTENTS

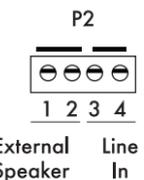
Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- Main unit
- User manual

#### PCB LAYOUT



Four screw terminals are provided on terminal block P2.



Connections 1 and 2 are used to connect an optional external horn speaker (Cat # K3505). The Internal/ External speaker selection jumper (J1) must be moved to the "EXT" (position B) if an external speaker is used. Connections 3 and 4 can be used to connect the ringer to the telephone line. The tone ringer is wired in parallel across the exchange line or analog telephone socket.

The tone ringer can also be connected to the telephone line by using a 6 position U.S. modular plug. The connection to the telephone line is wired to pins 3 and 4. These are the center two contacts of the RJ plug. The RJ plug is then inserted into the RJ "Line In" socket on the tone ringer PCB.



Made in China

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#### INSTALLATION INSTRUCTIONS

1. Remove the front cover of the unit by inserting a small flat bladed screwdriver into the latch release slot on the bottom. Lift the front panel off from the bottom edge first and unplug the internal speaker wires from jumper J3.

2. Using the two mounting holes in the tone ringer case, screw the tone ringer case to a vertical surface using suitable hardware. The two mounting hole centers are 84mm apart vertically.

3. The tone ringer is wired in parallel across an exchange line or on analog telephone by:

(a) Using the "LINE IN" screw terminals on the blue coloured screw terminal block. These terminals are shown in the P2 graphic on the previous page.

OR

(b) Using the RJ socket on the tone ringer PCB. This 6P2C socket uses contacts 3 and 4 which are the two centre.

4. Refit the Internal Speaker connector to jumper J3. Insert the two

clips on the top of the cover into the slots at the top of the case. After depressing the catch at the bottom centre of the cover, push the cover firmly onto the case.

5. Slide the switch to the "ON" position and adjust the Pitch and Volume controls.

#### CONNECTING A EXTERNAL SPEAKER

1. Strip the conductor ends and insert them into connections 1 and 2 on the blue coloured P2 screw terminal block and tighten the two screws.

2. Move the link on jumper J1 to the "EXT" position which is the two lower pins. A layout of J1 can be seen on the next page.

#### J1



Speaker

Jumper J1 (Speaker) is used to select either internal or external speaker operation. The default setting is for the internal speaker with the link bridging the top two pins (position A). If an external speaker is used, the link must be moved so that it bridges the bottom two pins (position B).

#### J2



Test

Jumper 2 (Test) is used only if the tone ringer is operated by a DC source instead of the normal AC ring voltage. The default setting is for an AC ring supply (link open). If a DC source is used, the two pins on jumper J2 must be bridged.

#### J3



Jumper 3 J3 (Speaker) is used to connect the Internal Speaker that is mounted in the front cover of the tone ringer to the PCB. Check that the speaker wires are plugged into this link block before replacing the cover on the tone ringer.

#### J4

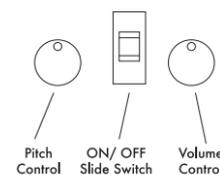


Jumper J4 is used to select either "normal" or "reduced tinkle" operation. The default setting is "normal" with the link bridging the bottom two pins (position B). If "reduced tinkle" operation is required the link must be moved so that it bridges the top two pins (position A). The "normal" position is used for the majority of installations.

#### J5



Jumper J5 (Heytel) is not used.



These three controls are accessible from outside the tone ringer and give the end user control over basic functions. The pitch control varies the pitch of the tone ringer's signal.

The ON/ OFF slide switch is used to activate or silence the tone ringer.

Slide the switch down to the bottom position to activate the tone ringer or up to the top position to prevent the tone ringer from operating.

The volume control is used to set the loudness of the tone ringer's speaker (either internal or external). Turning the control clockwise increases the volume of the speaker. Turning the control anti clockwise decreases the speaker volume.