



SECURE-TECH.com

DETENTION ELECTRONIC SYSTEMS

ETECH CONTROLS CORPORATION - MANUFACTURER

4051 ALVIS COURT #3, ROCKLIN, CALIFORNIA, USA 95677

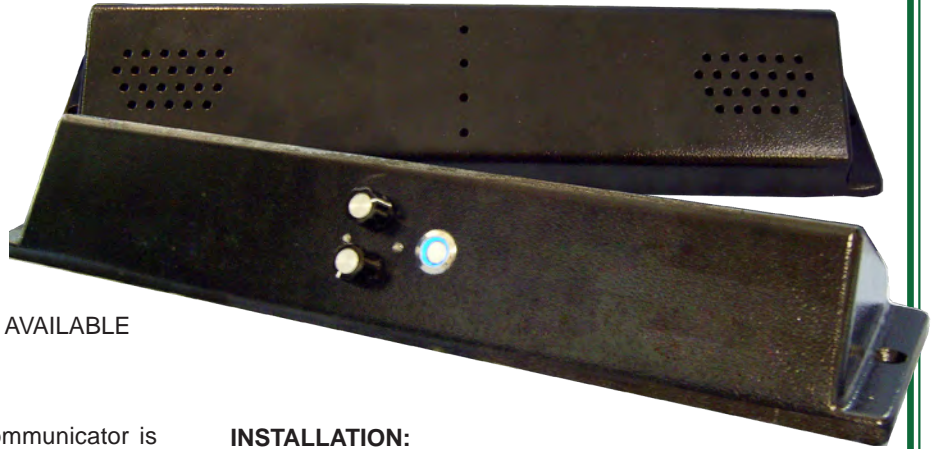
TEL (916) 630-1300 • FAX (916) 630-1100 • FREE (800) 800-2523

**MODEL
JUSTTALK**

DUPLEX TALK THROUGH COMMUNICATOR

FEATURES:

- FULL DUPLEX COMMUNICATION
- HANDS FREE OPERATION
- STYLISH APPEARANCE
- MUTE AND PRIVACY OPTION
- MONITOR AND RECORD
- TAMPER RESISTANT DESIGN
- 2 YEAR WARRANTY
- ROTARY OR P.B. VOLUME CONTROL AVAILABLE



FUNCTIONAL DESCRIPTION:

The "JUSTTALK" Duplex Talk Through Communicator is designed for staff or attorney/client interview rooms, visitation booths, control room to corridor, and other applications requiring communication through a security glass partition or wall. Full duplex two-way communication is provided. The talk through communicator frequency range is 400 to 4000 Hz \pm 3 db. . Each pair of units is tuned to the installed location environment to maximize sound levels. The result is very natural hands free communication.

JUSTTALK The base system consists of a pair of identical units, typically one on each side of a viewing window or wall. Usually used for visitation. Order model **JUSTTALK**.

JUSTTALK-M Two switches allow an attorney or staff to silence (off) the voice output from the inmate side; or to mute (off) the staff/attorney's side output for privacy. Provided with audio lineout function to allow monitoring and recording. Order model **JUSTTALK-M**.

JUSTTALK-V2 Two volume controls allow an attorney or staff to adjust the inmate and staff talk volume from an inmate conversation level to a monitor minimum and a staff/attorney conversation level to mute (off) unit for privacy. Provided with audio lineout function to allow monitoring and recording. Rotary or 4-Level P.B. Volume Control available. Order model **JUSTTALK-V2** or **JUSTTALK-V2-PB**.

SIZE:

2.52" H x 4.44" D x 17.0" L

64.0mm H x 112.8mm D x 431.8mm L

POWER:

12 - 14 VDC, 1.4 AMPS per pair.

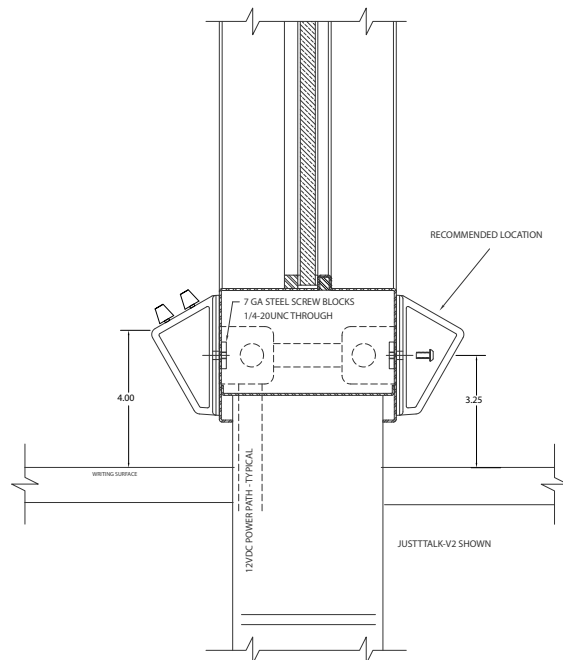
.35 INCH (NOMINAL) CAST ALUMINUM, SEMI-GLOSS BLACK

(JUSTTALK-V2 SHOWN)

INSTALLATION:

The recommended mounting location is on a 4" high hollow metal window frame sill, centered between sidewall partitions, with the speakers and microphones side pointing down towards the countertop reflective surface.

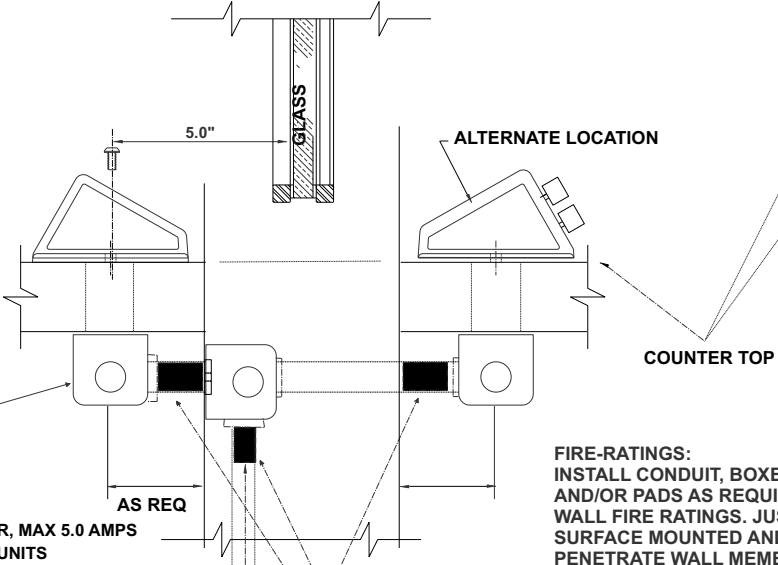
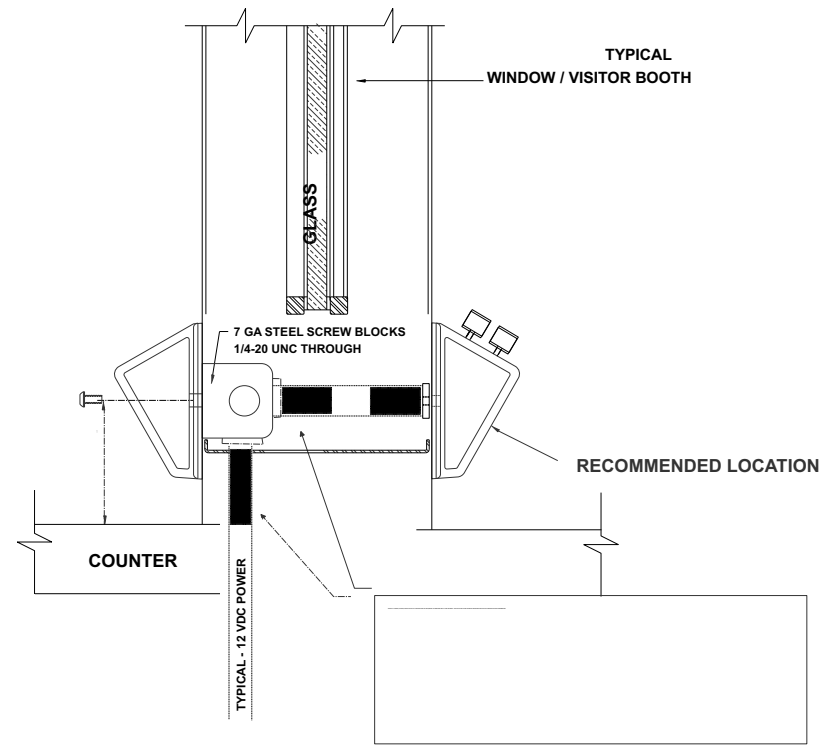
An alternate mounting location is upon the countertop, centered between sidewall partitions, with the speakers and microphones side facing towards the viewing window.



NOTE: Due to Full Duplex (two-way) audio, maximum available volume levels may be limited by room acoustics (hard surfaces), that could require added acoustic dampening materials to correct.

The Sign of Excellence

**MODEL - JUSTTALK-V2
 DUPLEX TALK "THRU THE GLASS"
 TYPICAL INSTALLATION / HOOK-UP**



TYPICAL - 12 VDC POWER, MAX 5.0 AMPS
 WILL SUPPLY 3 PAIR OF UNITS

ACOUSTIC & FIRE BLOCKS:
 INSTALL FIRE-STOP PUTTY OR PADS OR
 ACOUSTIC FOAM IN EACH CONDUIT AS
 REQUIRED TO MINIMIZE ACOUSTIC (SOUND)
 TRANSFER THROUGH CONDUITS CAUSING
 FEEDBACK.

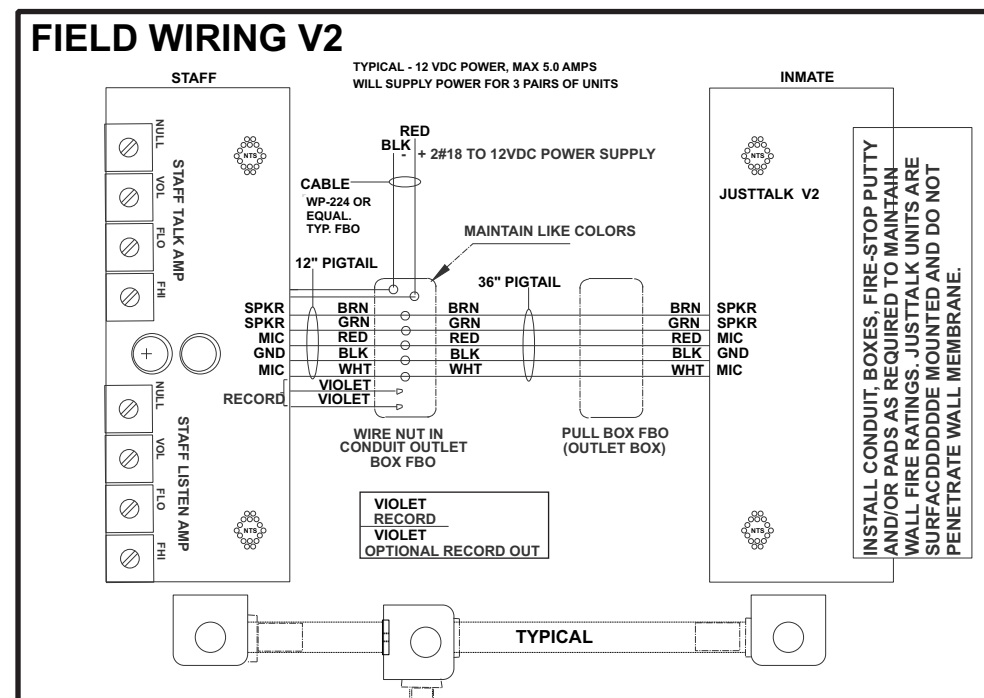
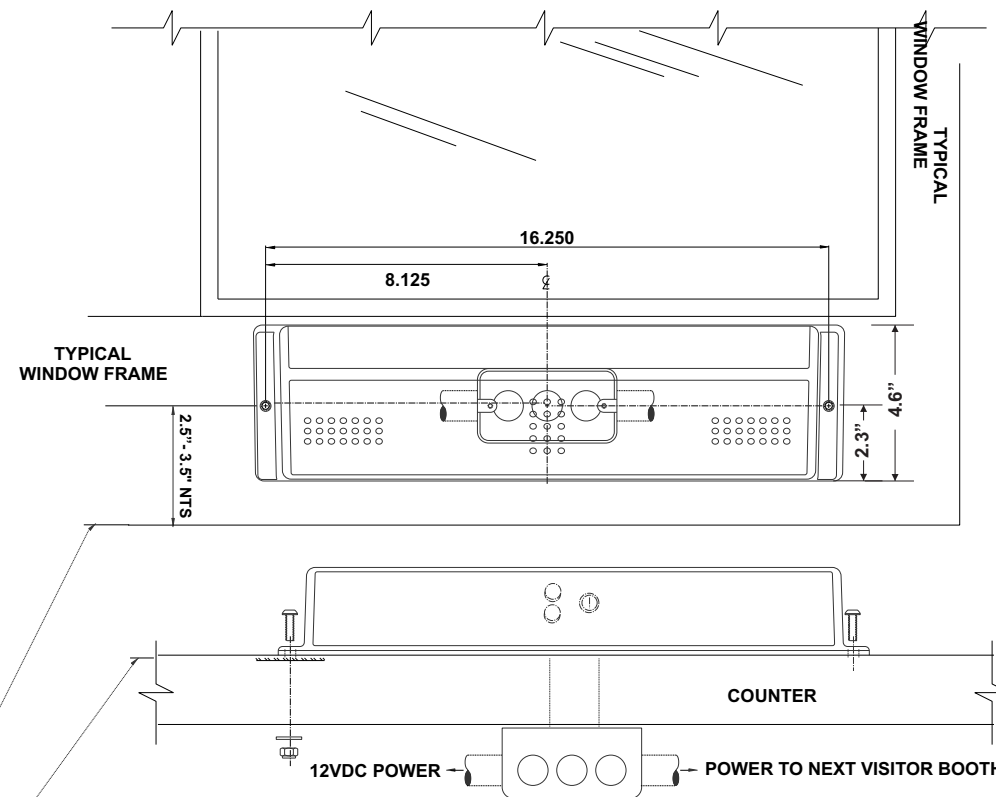
FIRE-RATINGS:
 INSTALL CONDUIT, BOXES, FIRE-STOP PUTTY
 AND/OR PADS AS REQUIRED TO MAINTAIN
 WALL FIRE RATINGS. JUSTTALK UNITS ARE
 SURFACE MOUNTED AND DO NOT
 PENETRATE WALL MEMBRANE.

FOOTPRINT - 4.5"d X 17.0"w
 REQUIRED - 12 VDC POWER SUPPLY, 1200 MA - NOT INCLUDED

#JUSTTALK : BASE PAIR
 RECOMMENDED FOR VISITATION.
 CONTINUOUSLY OPEN MIKES, FIXED "VOLUME"

#JUSTTALK-M : RECOMMENDED FOR "ATTORNEY CLIENT" USE.
 ATTORNEY UNIT INCLUDES A CLIENT SIDE "SILENCE"
 SWITCH AND AN ATTORNEY SIDE "PRIVACY" SWITCH
 RECORDING (LINE OUTPUT) IS AN OPTION.

#JUSTTALK-V2 RECOMMENDED FOR "ATTORNEY/STAFF CLIENT" USE.
 UNIT INCLUDES CLIENT/STAFF SIDE VOLUME
 CONTROLS ENABLING ATTORNEY/STAFF TO ADJUST
 VOLUME WITHOUT COMPLETELY SILENCING INMATE.
 RECORDING (LINE OUTPUT) IS AN OPTION.



SECURE-TECH.COM
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 Manufactured by:
 ETECH CONTROLS CORPORATION
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 ROCKLIN, CALIFORNIA 95677
 PHONE: (916) 630-1300
 WWW.SECURE-TECH.COM

**"JUST TALK" FULL-DUPLEX
 TALK-THROUGH VISITATION
 INTERCOM CONSOLES.
 INSTALLATION DETAILS.**

SCALE AS NOTED

CREATION DATE 02/21/00

DRAFTED BY DW

DESIGNED BY DW

REVIEWED BY DW

REVISIONS

REV #	DATE	BY	DESCRIPTION
1	10/14/04	DW	ENLARGE
2	02/14/05	DW	ADDRSS CHANGE
3	04/21/2013	DW	CHANGE ADDRESS
4			ENLARGE

HOOKUP DWG

HOOKUP DWG "V2"

TITLE
 JUSTTALK
 INSTALLATION

WORKING DATE
 06/02/20

FILE #
 GENERAL.DWG

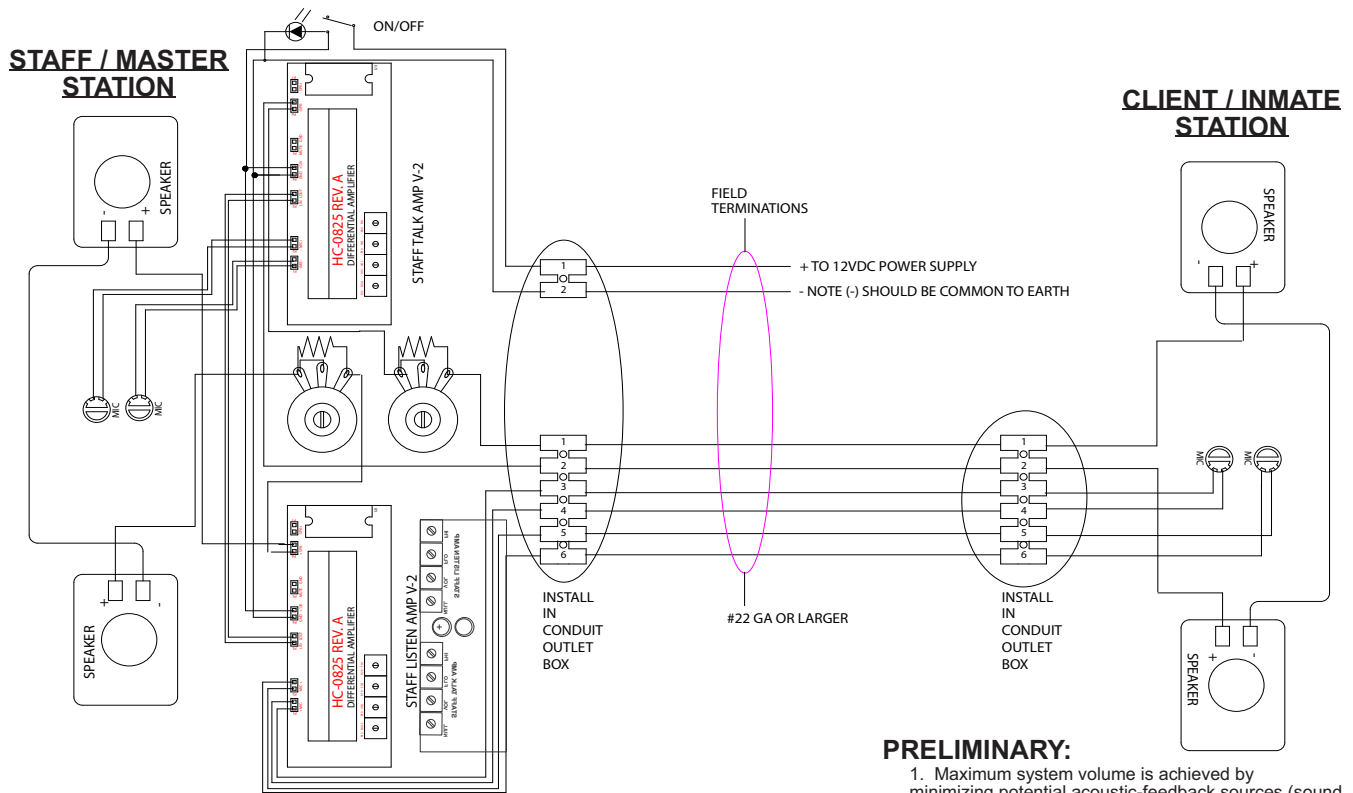
JOB #
 INSTALL

DRAWING #
 JUSTTALK

MODEL: JUSTTALK-V2

DUPLEX TALK THROUGH COMMUNICATOR

INSTALLATION DETAILS / HOOK-UP DIAGRAM



PRELIMINARY:

1. Maximum system volume is achieved by minimizing potential acoustic-feedback sources (sound paths) between the two "sides" of the visitation booth's Duplex Intercom System, Staff/Master side and Client/Inmate side.
2. Any open conduits, talk-grills, pass-thru openings, or close back-to-back station mounting, for example, can increase acoustic feedback (audible squeal).
3. Block all conduit with acoustic-putty or fire putty as shown in details.
4. Block or acoustically "deadened" any other openings where possible to minimize acoustic paths.

STAFF (Master) LISTEN AMP

NULL	VOL	FLO	FHI
MIC	STAFF	LO Band	HI Band
NULL	LISTEN	Notch Filter	Notch Filter
DUAL-MIC NULL Sig/Noise Adjust	AMP MAIN GAIN CONTROL	Anti- Feedback Notch Filter - LO	Anti- Feedback Notch Filter - HI

STAFF (Master) TALK AMP

NULL	VOL	FLO	FHI
MIC	VOLUME	LO Band	HI Band
NULL	Staff TALK	Notch Filter	Notch Filter
DUAL-MIC NULL Sig/Noise Adjust	AMP MAIN GAIN CONTROL	Anti- Feedback Notch Filter - LO	Anti- Feedback Notch Filter - HI

Detail of Eight (8) Installer Adjustment Available (Under Set-Screws, Shown from Front of Staff-Side Master Station)

ADJUSTING JUST-TALK UNITS:

Units are shipped with factory operating settings and should require only minor adjustments. If feedback does occur, go to steps #1 and #5, use small increment steps of tuning volume and notch filters. The adjustments require a small "flat blade" screwdriver -

Remove the eight (8) set screws for access to internal adjustment pots - the right side 4 adjustments are for client/inmate side station. Note: tapping housing near mic with a finger will aid in adjusting by providing a reference level. If adjustment steps #3 and #5 does not clear the feedback, the following is the full re-calibration procedure. Note - Close Doors and Windows.

Initial Settings:

- Set external volume knobs fully clockwise for all re-calibration adjustments (max volume setting).
- Set internal volume pots mid-way.
- Set notch filter pots mid-way.
- Initially retain factory internal microphone "NULL" pot settings (see step #2)

Adjustments: Be consistent - be patient. Note: ALL ADJUSTMENTS REFERENCED REFER TO THE INTERNAL POTS, using a screwdriver.

- Power up the Just-Talk system using Power-Button (Power-LED illuminates).
 If feedback occurs -
1. Reduce volume - adjust internal volume pots clockwise until feedback is eliminated - alternate between the two amplifiers so both are approximately at the same volume level -
 - a. Adjust to highest volume -
 2. Adjust microphone "NULL" pot balance on each unit - alternate between the two amplifiers so both are approximately at the same adj. level.
 - a. Adjust to highest volume -

Alternate the following adjustments between steps #3 and #4 until maximum gain is achieved -

3. Increase volume - adjust internal volume pots counterclockwise until feedback re-occurs. Try to keep both amplifiers at same volume level. When feedback is just starting, go to step #4.
4. Adjust notch filter pots until each feedback frequency is muted - typically begin with the HI-Band notch pots first, then the LOW-Band.

Continue with step #5.

5. Repeat steps #3 and #4 for each feedback frequency. Continue adjusting until both internal Volume Pots are as high as possible. There are four internal notch filters (two on each amplifier) - each one can be used to mute a separate feedback frequency. Making small adjustments between testing works best.

Units are now calibrated for maximum volume for that location Adjust external volume knobs for desired operating volume.

Replace 8 set screws -