



SECURE-TECH.com

DETENTION ELECTRONIC SYSTEMS

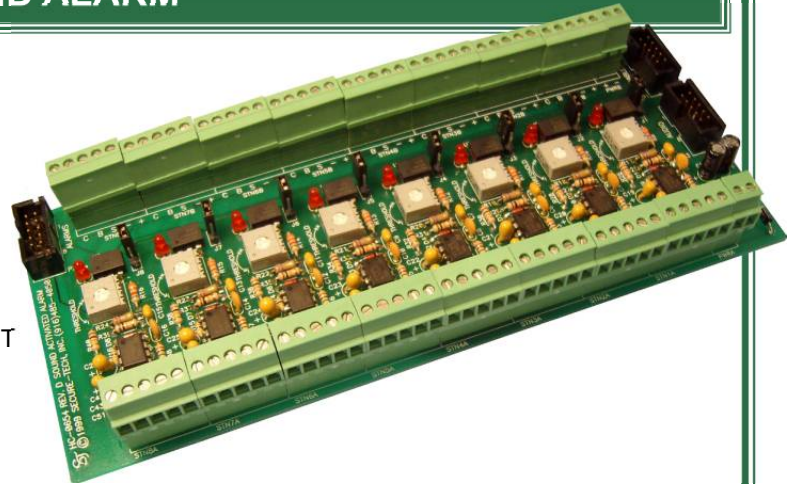
ETECH CONTROLS CORPORATION - MANUFACTURER
4051 ALVIS COURT #3, ROCKLIN, CALIFORNIA, USA 95677
TEL (916) 630-1300 • FAX (916) 630-1100 • FREE (800) 800-2523

**MODEL
HC-0654D**

SOUND ALARM

FEATURES:

- 8 OPTO-ISOLATED (7500V) INPUTS
- AUDIO THRESHOLD MONITORING
- USED WITH HC-0644, HC-0845, OR HC-0846
- ALL PLUG CONNECTION
- 8 ENABLE / DISABLE INPUTS
- 8 AUDIO OUTPUTS
- 8 ALARM OUTPUTS
- DAUGHTERBOARD OR 3.25" SNAP TRACK MOUNT
- 2 YEAR WARRANTY



FUNCTIONAL DESCRIPTION:

The HC-0654 provides audio threshold monitoring for eight intercom / paging channels.

When a monitored intercom or paging speaker / microphone channel has audio present that exceeds the threshold set for that channel, an intercom call-in and a separate alarm output is generated.

The alarm threshold sensitivity setting for each of the eight monitored channels is separately adjustable. Jumper terminals are provided for each channel to enable / disable alarm monitoring. A separate audio output is provided for each channel to allow recording of our line level signal upon alarm generation.

The daughterboard models plug onto the Molex type field wiring terminals of an HC-0644-M or HC-0846-M intercom selector. The snaptrack mount models provide for interface with the HC-0845 PLC 16 Station Intercom Selector or for obtaining separate day and night level settings on the same audio channels by using two HC-0654 boards in parallel operation.

INPUTS / OUTPUTS:

Eight speaker / microphone and call-In input channels are provided. Eight sound activated call-In outputs and eight separate alarm outputs are provided. Eight enable / disable inputs and eight audio outputs are provided.

Eight busy I / O points are provided to interface shared masters.

Field wiring terminates on five pin Molex insertion tool type or Phoenix type compression screw terminal plugs.

The enable / disable inputs, alarm outputs, and audio outputs are connected on 10-pin male headers. The mating female ribbon type plugs are provided.

SIZE:

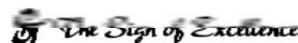
3.75" W x 7.75" L x 0.81" D
95.5mm W x 196.9mm L x 20.6mm D

POWER:

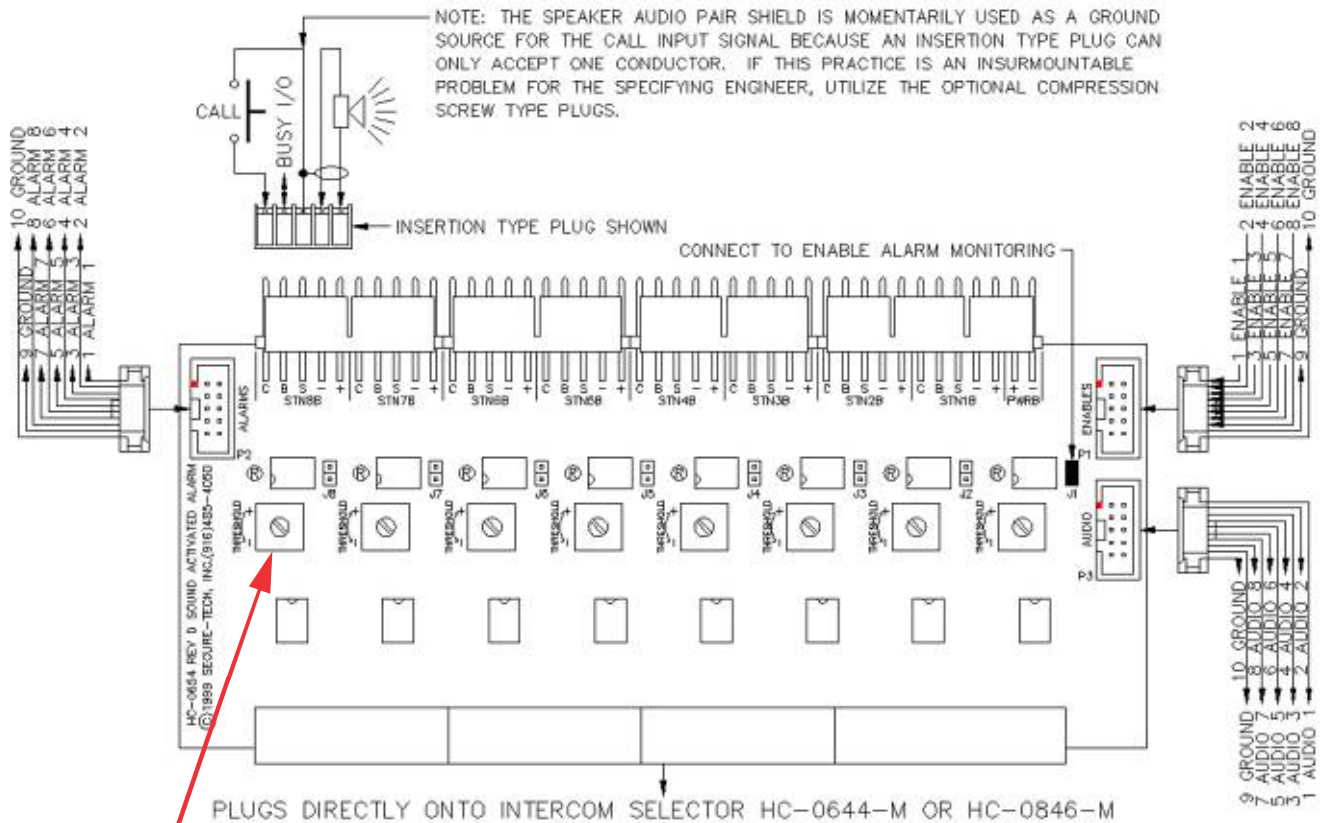
12 - 14 VDC, 60 ma

MODELS:

HC-0654-M-M-D Molex out, Molex in, Daughterboard
HC-0654-M-P-D Molex out, Phoenix in, Daughterboard
HC-0654-M-M-S Molex out, Molex in, Snaptrack mount
HC-0654-P-P-S Phoenix out, Phoenix in, Snaptrack mnt



MODEL HC-0654D SOUND ALARM HOOK-UP DIAGRAM

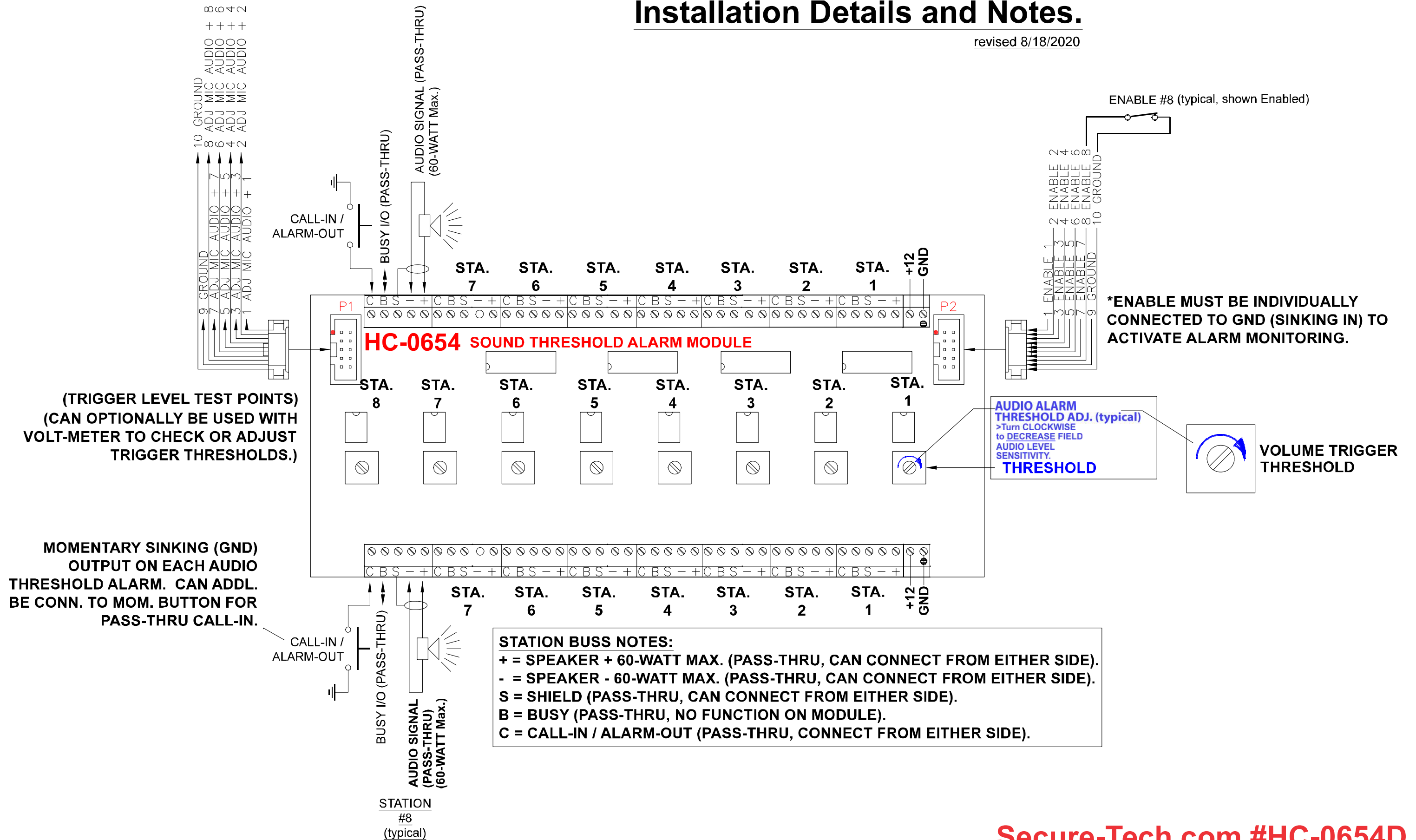


AUDIO ALARM THRESHOLD ADJ. (typical)
 >Turn CLOCKWISE to DECREASE FIELD AUDIO LEVEL SENSITIVITY.

Secure-Tech.com #HC-0654, 8-Station Sound Threshold Alarm Module.

Installation Details and Notes.

revised 8/18/2020



Secure-Tech.com #HC-0654D, PLC INTERFACE DETAIL

TYPICAL HOOKUP 1 OF 8

TO SINKING
PLC INPUTS 1-8
ACTIVE WHEN LOW
9-10 GROUND

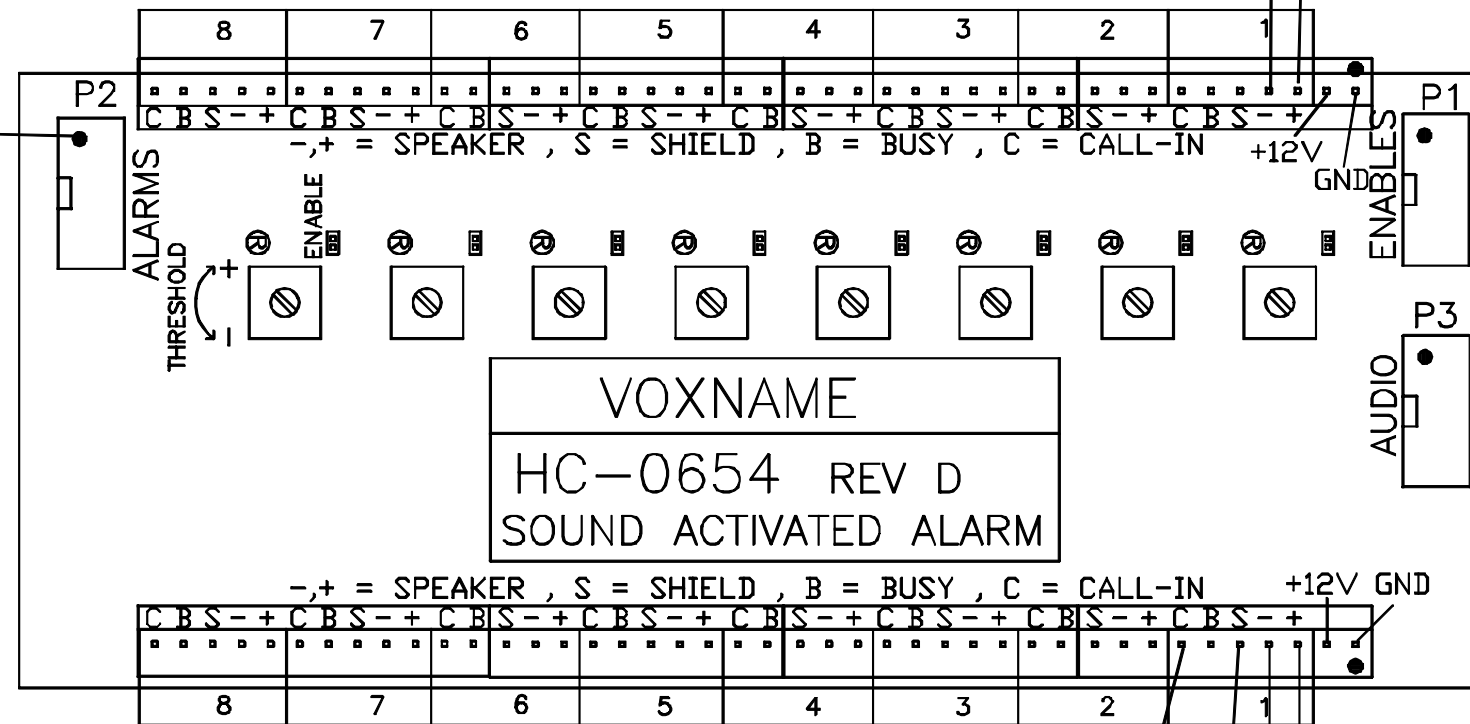
INTERCOM SYSTEM

TO AUDIO
SELECT
RELAY

CALL-IN
/ALARM

CONNECT ALL
TO GND (ENABLE)

NOT USED
WITH PLC

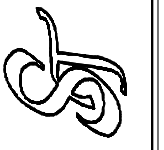


- 1- P2 ALARM - AUTOMATIC CALL-IN AS SHOWN
- 2- P2 ALARM ONLY WIRE CALL-IN DIRECT TO PLC

CALL
BUTTON
(IF USED)

FIELD
SPEAKER

SECURE-TECH SYSTEMS
BY TECH CONTROLS CORPORATION
4051 ALVIS COURT #3
ROCKLIN, CALIFORNIA 95677
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THRESHOLD ALARM
HC-0654
PLS TYPICAL HOOK-UP

SCALE AS NOTED		
CREATION DATE 05/17/11		
DRAFTED BY TOM T		
REVIEWED BY DICK W		
REVISIONS		
REV #	DATE	BY
1		
2		
3		
4		
5		

TITLE THRESHOLD ALARM HC-0654 PLC HOOK-UP
WORKING DATE 05/17/2011
FILE # GENERAL
JOB # INTERCOM
DRAWING # XX