SECURE-TECH
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-0856-MM

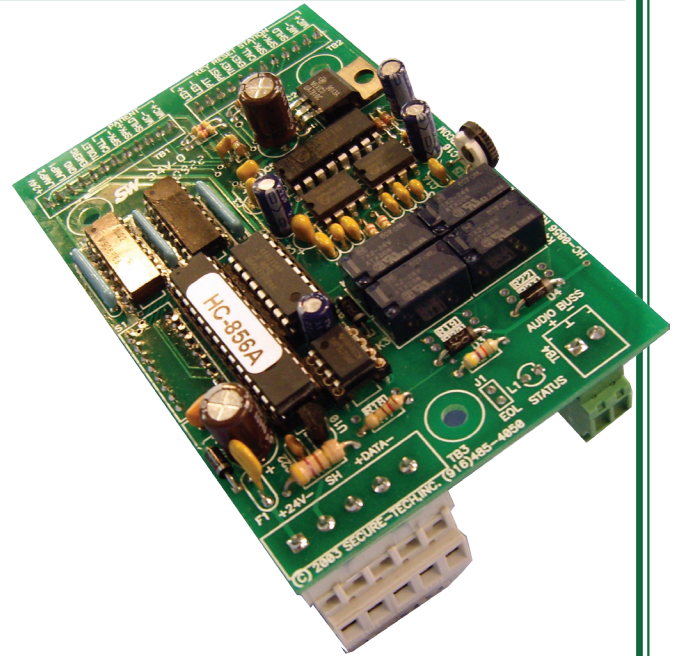## INTERCOM "Mini-Master" AMPLIFIER / CONTROLLER

FEATURES:

➢ 1.5 WATT RMS OUTPUT
➢ LOW NOISE LEVEL
➢ 8 FUNCTION / ALARM INPUTS
➢ (1) CALL-IN / SELECT LED
➢ 2 RELAY OUTPUTS (2A @ 30 VDC, FORM A)
➢ GROUND, SUPPLY AND SHORT SHORT PROTECTED
➢ THERMALLY PROTECTED
➢ LOW STANDBY CURRENT
➢ MOMENTARY OR MAINTAINED CONTROLS
➢ SERIALLY ADDRESSABLE - RS-485 MODBUS
➢ TOUCHSCREEN COMPATIBLE
➢ STANDBY / MUTE / "ANTI-POP" PTT
➢ UP TO 128 MINI-MASTERS PER 4000 FT DATA LOOP
➢ COMPACT DESIGN - 2.75" X 4.25"
➢ FULLY PLUGGABLE TERMINATIONS
➢ MICROPHONE INPUTS
➢ 2 YEAR WARRANTY

FUNCTIONAL DESCRIPTION:

The HC-0856 is a high quality, reliable Intercom System Amplifier and Controller. The HC-0856 "Mini-Master" was designed to function both as a stand-alone single station intercom master, as well as having powerful on-board processing, network and auxiliary utility control features for distributed use in larger networked applications, or for interfacing to centralized "Touchscreen Controls".

Due to it's extensive on-board Audio and Security features, the HC-0856 Mini-Master is primarily used in Detention Facilities to fully control the high security intercom and safety requirements of Medical, Isolation and Holding Cells. On-Board features allow local Intercom Talk/Listen, Station Call-in and Answer Indications, Auxiliary Dome Light (utility) relay outputs, Auxiliary and Alarm Inputs. When in standby, the HC-0856 effectively "shuts" down reducing the possibility of noise or hum. All connections are pluggable for ease of installation and maintenance.

The HC-0856 Mini-Master can operate fully independently, or it can be a part of a large facility communications system. In networked installations, each HC-0856 can "share" it's local intercom station, or communicate itself directly with multiple other distributed or centralized Intercom Masters (HC-0856, HC-0644, HC-0682 Modules with or without Touchscreen interface). When in a networked configuration, any communication failure will cause the HC-0856 to switch to a stand-alone, fail-safe mode that will continue the uninterrupted operation of all local audio and control circuits until network communications are re-established.

The HC-0856 may be factory programmed for special applications, please give us a call if you would like to discuss a custom application design.
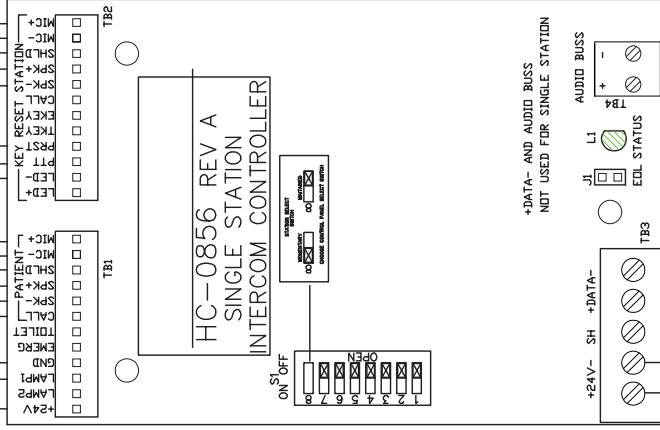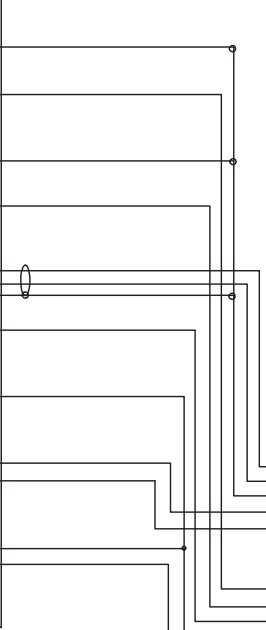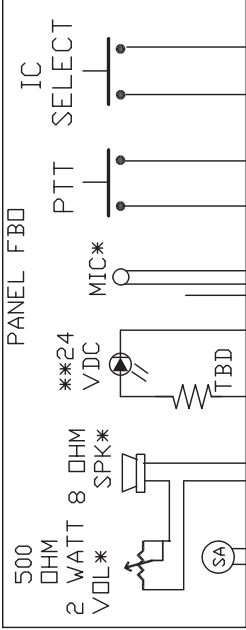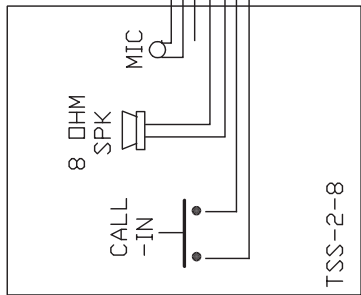
SIZE:
2.75" W x 4.25" L x 1.6" D
70 mm W x 108 mm L x 41 mm D

POWER:
17.5 - 30 VDC, 60 ma idle, 100 ma max

The Sign of Excellence

PANEL FBO

IC SELECT

PTT SELECT

MIC*

**24 VDC

TBD

500 OHM
2 WATT 8 OHM SPK*
VOL*

SA

**2 VDC LED HOOK-UP
AVAILABLE - DECADE
RESISTOR FBO

ALL PLUGGABLE
CONNECTORS ARE
PROVIDED WITH 10"
PIG-TAILS
*AVAILABLE AS A KIT,
SPEAKER, ELECTRET MIC,
MIC HOLDER,
VOL CONTROL WITH KNOB
ORDER NUMBER STLC-CP106

SA SONALERT/CHIME

TB2

MIC+
MIC-
SHLD
SPK+
SPK-
CALL
KEY
TKEY
PRST
PTT
LED-
LED+

KEY RESET STATION

TB1

MIC+
MIC-
SHLD
SPK+
SPK-
CALL
TOILET
EMERG
GND
LAMP1
LAMP2
+24V

PATIENT

HC-0856 REV A
SINGLE STATION
INTERCOM CONTROLLER

2.75" × 4.25"

+DATA- AND AUDIO BUSS
NOT USED FOR SINGLE STATION

AUDIO BUSS
+   -

TB4

J1   L1
EOL STATUS

TB3
+24V-   SH   +DATA-

24 VDC 100 MA
REGULATED

S1
ON   OFF
OPEN
1 2 3 4 5 6 7 8

8 OHM SPK

MIC

CALL
-IN

TSS-2-8

SECURE-TECH MODULE
STHC-0856, SINGLE
STATION MINI-MASTER

04/28/2011

ETECH CONTROLS CORP
916-630-1300