



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-0845

PLC 16 STATION INTERCOM SELECTOR

FEATURES:

- 8 OR 16 PLC CONTROLLED STATIONS
- 16 SELECT STATUS RED LEDS
- 16 CALL-IN STATUS YELLOW LEDS
- 1 OR 2 AUDIO BUSSES
- SHARED, SINGLE OR DUAL MASTERS
- 12 OR 24 VDC OPERATION
- CCTV CALL-UP UP ON CALL-IN OR SELECT
- IN-USE BUSS
- ALL PLUG CONNECTIONS
- 3.25" SNAP TRACK MOUNT
- 2 YEAR WARRANTY

FUNCTIONAL DESCRIPTION:

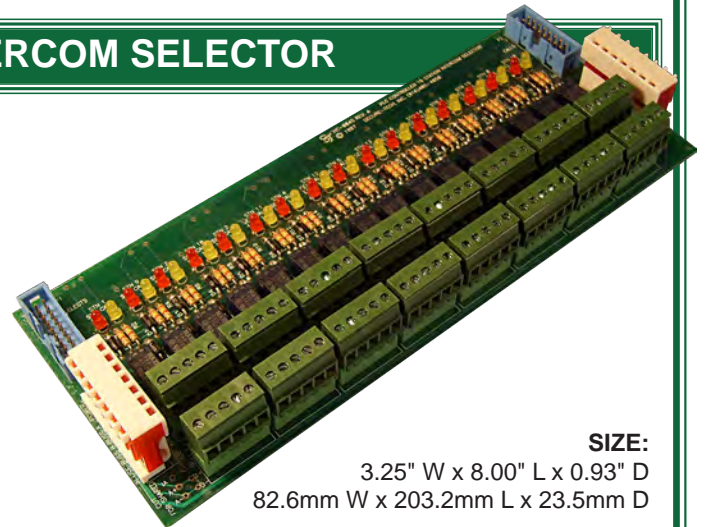
The HC-0845 provides the inputs and outputs for up sixteen intercom stations or paging zones, for operation by a programmable logic controller. It interfaces with all major manufacturers' PLCs (sinking modules) and the SECURE-TECH HC-0682 System Controller.

The ability to configure this product to be used in many different applications makes it very versatile. A single master can control sixteen audio channels. Two separate masters can share eight channels. Or, two masters can separately control eight channels each. Both 12 and 24 VDC operating voltages are offered. Molex type insertion tool terminating plugs are more cost effective and Phoenix type compression screw terminal plugs accept a range of conductor sizes. Both are offered.

Each audio channel provides a red Select status LED and a yellow Call-in status LED. An In-use buss is provided. A PLC operated Select point, on the field wiring terminal plug, can be used to interface with a CCTV switcher to provide a picture call-up upon Select. This same point can also be configured to add the momentary Call-in signal as well for CCTV call-up upon Call-in. Add (-C) to the model number for this function.

INPUTS / OUTPUTS:

Sixteen Call-in inputs and sixteen relay outputs are provided. Relay DPDT contacts are UL/CSA rated for 125 VAC @ 0.5 amp and 30 VDC @ 2 amps. The control I/O is connected via two 16-pin male ribbon headers. The mating female ribbon plugs are provided.



SIZE:

3.25" W x 8.00" L x 0.93" D
82.6mm W x 203.2mm L x 23.5mm D

POWER:

12 VDC or 24 VDC, 500ma

MODELS:

- HC-0845-8-SH-12-M
8 stations, shared masters, 12 VDC, Molex
- HC-0845-8-SH-24-M
8 stations, shared masters, 24 VDC, Molex
- HC-0845-8-SH-12-P
8 stations, shared masters, 12 VDC, Phoenix
- HC-0845-8-SH-24-P
8 stations, shared masters, 24 VDC, Phoenix
- HC-0845-16-SI-12-M
16 stations, single master, 12 VDC, Molex
- HC-0845-16-SI-24-M
16 stations, single master, 24 VDC, Molex
- HC-0845-16-SI-12-P
16 stations, single master, 12 VDC, Phoenix
- HC-0845-16-SI-24-P
16 stations, single master, 24 VDC, Phoenix
- HC-0845-16-DU-12-M
16 stations, dual 8 station masters, 12 VDC, Molex
- HC-0845-16-DU-24-M
16 stations, dual 8 station masters, 24 VDC, Molex
- HC-0845-16-DU-12-P
16 stations, dual 8 station masters, 12 VDC, Phoenix
- HC-0845-16-DU-24-P
16 stations, dual 8 station masters, 24 VDC, Phoenix

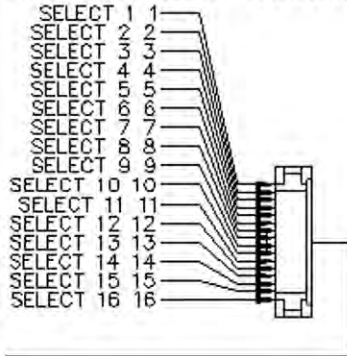
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MODEL

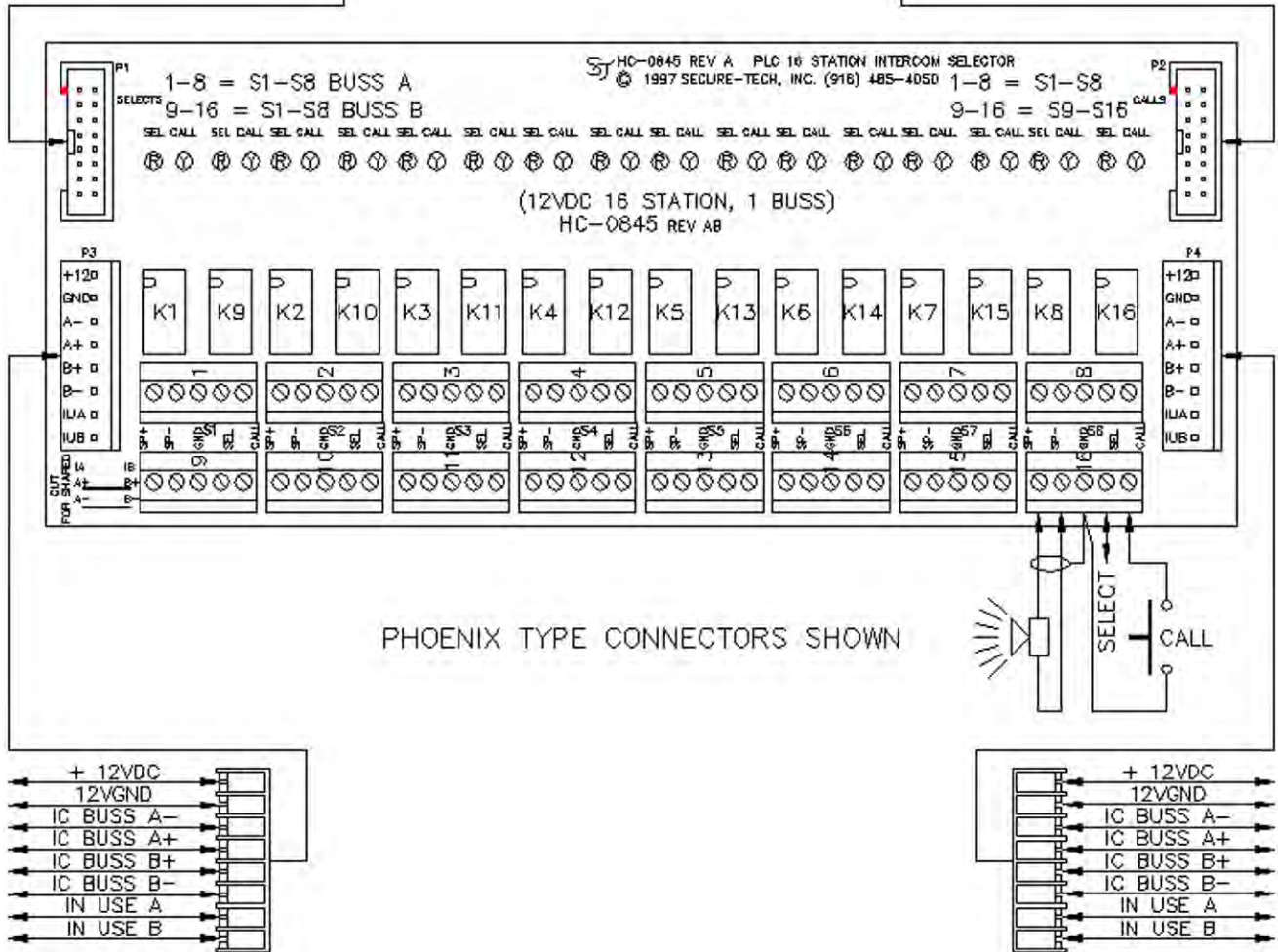
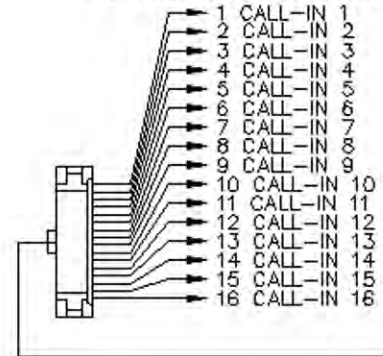
HC-0845 PLC 16 STATION INTERCOM SELECTOR

HOOK-UP DIAGRAM ALL CONTROL FUNCTIONS ARE SINKING

FROM OUTPUT MODULE
FROM HC-0715 MODULE



TO INPUT MODULE
TO HC-0714 MODULE





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MODEL HC-0846

PLC 8 STATION INTERCOM SELECTOR

FEATURES:

- 8 PLC CONTROLLED STATIONS
- 16 SELECT STATUS RED LEDs
- 16 CALL-IN STATUS YELLOW LEDs
- 2 AUDIO BUSSES
- ACCEPTS HC-0654 SOUND ALARM
- SINGLE OR DUAL MASTERS
- 12 OR 24 VDC OPERATION
- 2 IN-USE BUSSES
- ALL PLUG CONNECTIONS
- 3.25" SNAP TRACK MOUNT
- 2 YEAR WARRANTY

FUNCTIONAL DESCRIPTION:

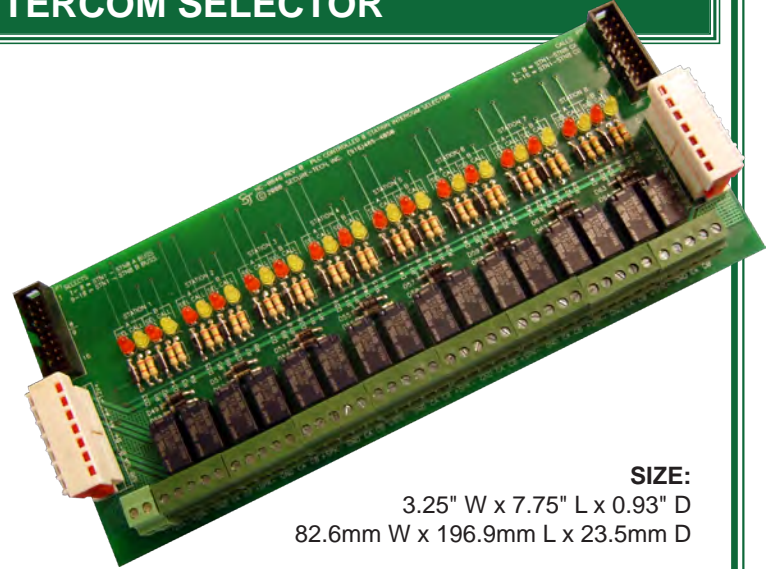
The HC-0846 provides the inputs and outputs for up eight intercom stations or paging zones, for operation by a programmable logic controller, with access to two different audio busses. It interfaces with all major manufacturers' PLCs and the HC-0682 System Controller.

The ability to configure this product to be used in many different applications makes it very versatile. A single master can control eight audio channels, and select them individually to two different audio busses, i.e. intercom or music background. Or, two separate masters can share eight channels. Molex type insertion tool terminating plugs are more cost effective and Phoenix type compression screw terminal plugs accept a range of conductor sizes. The HC-0654 Sound Alarm daughterboard can be plugged directly onto the HC-0846 when the field connectors are Molex type.

Each audio channel provides a red Select status LED and a yellow Call-in status LED. Two In-use busses are provided. Call-in "B" is the normal field input point. Use call-in "A" when the HC-0654 Sound Alarm daughterboard is used. The Sound Alarm uses the call-in "B" input point. Or, two separate call-in buttons may be used per audio channel.

INPUTS / OUTPUTS:

Sixteen Call-in inputs and sixteen relay outputs are provided. Relay DPDT contacts are UL/CSA rated for 125 VAC @ 0.5 amp and 30 VDC @ 2 amps. The control I/O is connected via two 16-pin male ribbon headers. The mating female ribbon plugs are provided.



SIZE:

3.25" W x 7.75" L x 0.93" D
82.6mm W x 196.9mm L x 23.5mm D

POWER:

12 VDC or 24 VDC, 500ma

MODELS:

HC-0846-12-M	12 VDC, Molex (motherboard)
HC-0846-24-M	24 VDC, Molex (motherboard)
HC-0846-12-P	12 VDC, Phoenix (no sound alarm)
HC-0846-24-P	24 VDC, Phoenix (no sound alarm)

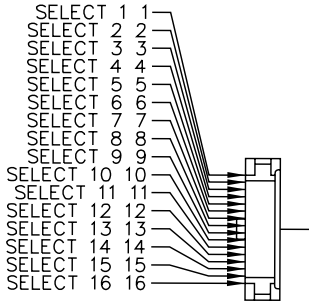
Note: There are other variations of this product available, with 90° angle Molex connectors, that plug onto an HC-0723 Intercom Exchange motherboard (not in catalog) to accommodate special applications like separate day and night sound alarms; additional masters; and duress alarm auto-selection to listen mode with CCTV picture call-up, all with high density space savings. Call the factory for special applications assistance.

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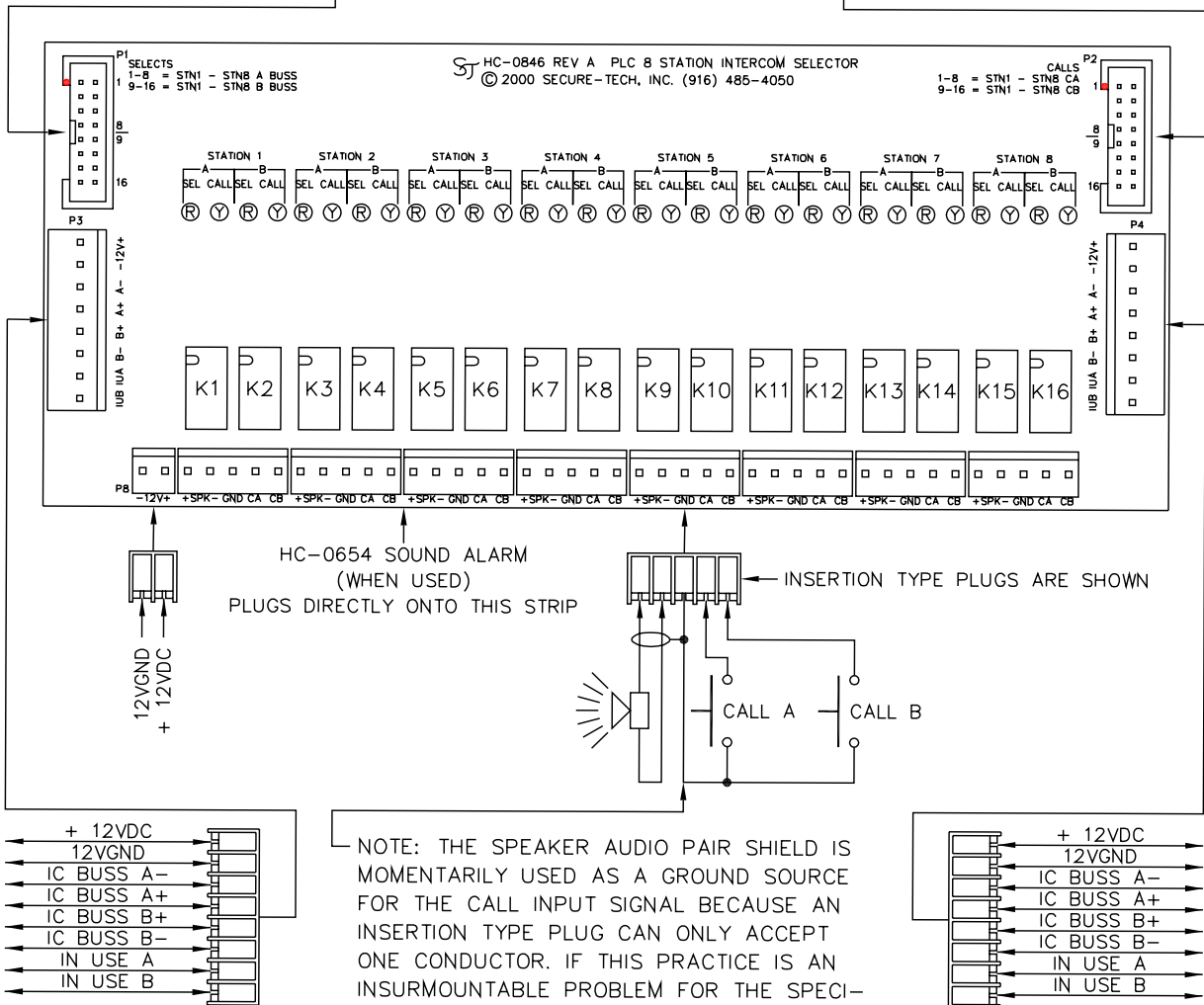
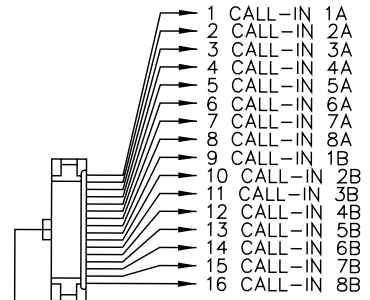
MODEL HC-0846 PLC 8 STATION INTERCOM SELECTOR

HOOK-UP DIAGRAM ALL CONTROL FUNCTIONS ARE SINKING

FROM OUTPUT MODULE



TO INPUT MODULE



NOTE: THE SPEAKER AUDIO PAIR SHIELD IS MOMENTARILY USED AS A GROUND SOURCE FOR THE CALL INPUT SIGNAL BECAUSE AN INSERTION TYPE PLUG CAN ONLY ACCEPT ONE CONDUCTOR. IF THIS PRACTICE IS AN INSURMOUNTABLE PROBLEM FOR THE SPECIFYING ENGINEER, UTILIZE THE OPTIONAL COMPRESSION SCREW TYPE PLUGS, WHICH WILL PREVENT THE USE OF AN HC-0654 SOUND ALARM DAUGHTERBOARD PLUGGED DIRECTLY ONTO THE HC-0846 MOTHERBOARD.