



SECURE-TECH

DETENTION ELECTRONIC SYSTEMS

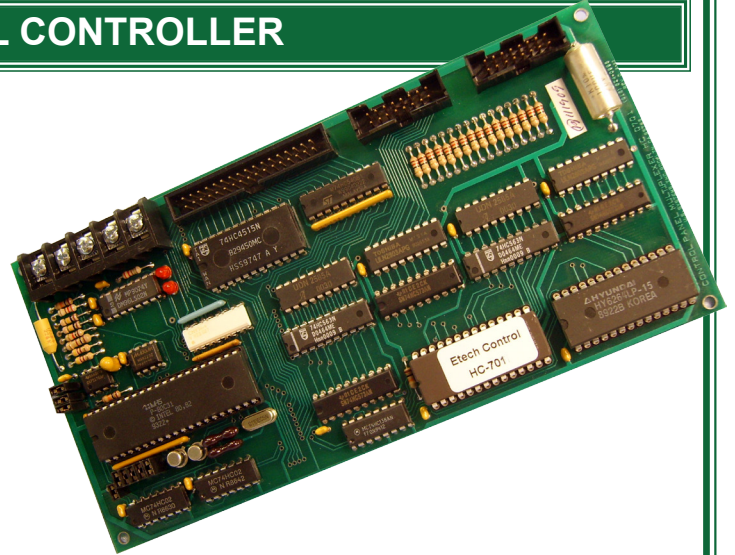
ETECH CONTROLS CORPORATION - MANUFACTURER
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MODEL
HC-0701

REMOTE PANEL CONTROLLER

FEATURES:

- 128 SWITCH INPUTS
- LAMP TEST INPUT
- CPU RESET INPUT
- 128 LED OUTPUTS
- SONALERT OUTPUT
- SWITCH FEEDBACK AUDIO BLIP TONE OUTPUT
- RS-485 COMMUNICATION AT 19,200 BAUD
- EXTREMELY LOW COST PER I/O
- DIAGNOSTIC MODE
- 2 YEAR WARRANTY



FUNCTIONAL DESCRIPTION:

The HC-0701 communicates with an HC-0682 System Controller, or a Personal Computer, via a single twisted pair shielded RS-485 data cable. Multiple HC-0701 modules may be used on control panels with greater than 128 I/O.

Substantial reductions in connecting wire and conduit size requirements are obtained by using the HC-0701 Remote Panel Controller.

An output is provided to activate an audio blip tone for switch activation feedback on membrane type control panels.

A diagnostic mode is provided that activates each output when it's corresponding input is activated (ie input 1 = output 1, etc.). The RS-485 communication connection must be removed during diagnostic mode operations. Two red status LEDs are provided that indicate a hardware error whenever either is lit.

Jumper pins are provided to set the board for end-of-line connection. The factory default is set to end-of-line by jumpering all pins. Jumper pins are also provided to set the board's binary address to correspond with it's master HC-0682 controller or host PC. The factory default address is set to one.

INPUTS / OUTPUTS:

Control panel input and output wiring connects to one 34-pin and two 16-pin male headers. The mating female ribbon type plugs are provided. Communication and power wiring connects to a saddle clamp type screw terminal strip, sized for 22 to 12 gauge stranded conductors.

The HC-0701 is intended to mount on four threaded stand-offs on the backside of the control panel, with the I/O ribbons converted to individual wire connections via either four HC-0731 16 Point Adapters or two 25 pair telephone type cable connectors. Allow enough clear space on the panel for the modules to be mounted and connected. When there is insufficient clear space available on the backside of the control panel to mount the modules, they may be mounted on a backpanel that must be located immediately underneath the control panel.

SIZE:

3.75" W x 7.50" L x 0.63" D
92.3mm W x 190.5mm L x 15.9mm D

POWER:

5 VDC, 700ma

PLEASE NOTE: LED supervision boards, HC-0804 and HC-0806, may **NOT** be used in combination with the HC-0701 Remote Panel Controller.

ST The Sign of Excellence

MODEL HC-0701 REMOTE PANEL CONTROLLER

HOOK-UP DIAGRAM

DISCONNECT RS-485 PRIOR TO DIAGNOSTICS

