



# SECURE-TECH

DETENTION ELECTRONIC SYSTEMS

ETECH CONTROLS CORPORATION - MANUFACTURER  
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**MODEL  
HC-0821**

## 20 X 20 CONTROLLER

### FEATURES:

- 20 OPTO-ISOLATED (7500V) INPUTS
- 20 OUTPUTS
- CUSTOM PROGRAM SOFTWARE
- ALL PLUG CONNECTION
- 3.25" SNAP TRACK MOUNT
- 2 YEAR WARRANTY

### FUNCTIONAL DESCRIPTION:

The HC-0821 is a programmable logic microcontroller. Any I/O logic functions your project requires can be performed by this unit. Four dipswitches and four LEDs are fully programmable, along with all of the input and output points. A separate green module status LED is also provided.

Our programmers will write a custom software program to perform the exact logic functions required for your application. The product is also C-programmable by the user. A 2kb EEPROM is provided for additional program function capabilities. Software programs with multiple application functions can be loaded and then chosen by dipswitch or other input selection. The program functionality possibilities are too vast to list here. Please call for further information.

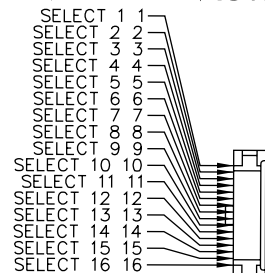
### INPUTS / OUTPUTS:

Twenty opto-isolated (7500 volts) ground inputs and twenty sinking outputs are provided. The outputs can sink from 5 to 24 VDC at 50ma. The inputs and outputs are connected to Phoenix type compression screw terminal plugs, sized for 22 to 12 AWG stranded conductors. A 40-pin male header is also provided for ribbon cable connection. The mating female ribbon plug is provided.

The PCB operating power and field power sources may be separated to provide better opto-isolation.



### FROM OUTPUT MODULE



### SIZE:

3.25" W x 5.00" L x 1.24" D  
82.6mm W x 127mm L x 31.5mm D

### POWER:

12 - 14 VDC, 100ma, 2 amp plug-in fuse protected

# MODEL

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### HOOK-UP DIAGRAM

