



SECURE-TECH

DETENTION ELECTRONIC SYSTEMS

ETECH CONTROLS CORPORATION - MANUFACTURER
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LOC-PRO
SERIES

SYSTEM CONTROLLER ASSEMBLIES

FEATURES:

- **NEC 725 COMPLIANT** - FACTORY TESTED
- HC-0682 SYSTEM CONTROLLER
- HC-0714 32 INPUT
- HC-0715 32 OUTPUT
- HC-0826 INTERCOM AMPLIFIER
- HC-0845 PLC 16 STATION INTERCOM SELECTOR
- HC-0802 8 DOOR RED OR GREEN MONITOR
- HC-0803 8 FUSED 10 AMP RELAYS
- ALL PLUG CONNECTION (EXCEPT POWER)
- OPTO-ISOLATED (7500V) INPUTS
- FUSED 12VDC POWER SUPPLY
- NEMA RATED ENCLOSURE
- 2 YEAR WARRANTY



FUNCTIONAL DESCRIPTION:

Factory assembled and tested System Controller Assemblies are **NEC 725 compliant**, and are designed for use with a separate custom control panel, or touchscreen computer, that communicates via RS-485. See the Operator Interface section for available options.

A single HC-0682 System Controller is the heart of any custom configured system, with its Input / Output capabilities extended as required by adding slave HC-0682 modules, and / or HC-0701 Remote Panel Controllers.

Field end-of-line device inputs; for door monitoring, duress annunciation, etc.; are opto-isolated, and converted to ribbon cable to mate with HC-0714 32 Input modules, by connecting the field wire / cable to HC-0802 modules.

Field end-of-line devices are controlled via the fused dry contact relay outputs provided on HC-0803 modules. HC-0715 32 Output modules drive the HC-0803 modules.

Multi-level systems may be configured with up to 320 local inputs and 320 local outputs per HC-0682 module, may include HC-0701 modules (128 inputs / 128 outputs) on the same RS-485 channel, and may contain up to fourteen microprocessors (HC-0682 and / or HC-0701 modules) on a single HC-0682 master RS-485 channel.

See the foldout example HC-0682 and HC-0701 system hook-up diagram for a visual concept of configuration possibilities.

All assemblies are custom designed to meet the application, and are available in whatever equipment control / monitor capacity is required.

INSTALLATION:

Wall or floor mount (as sized for the application) the Nema rated enclosure(s), and connect fifteen amp circuits of 120vac 60hz single phase power, as required for the control circuitry load. Connect separate 120vac 60hz single phase power circuits and / or low voltage power supply circuits, as required to serve the controlled equipment loads. Low voltage controlled equipment power supplies (24 vac / vdc), where required, are not included.

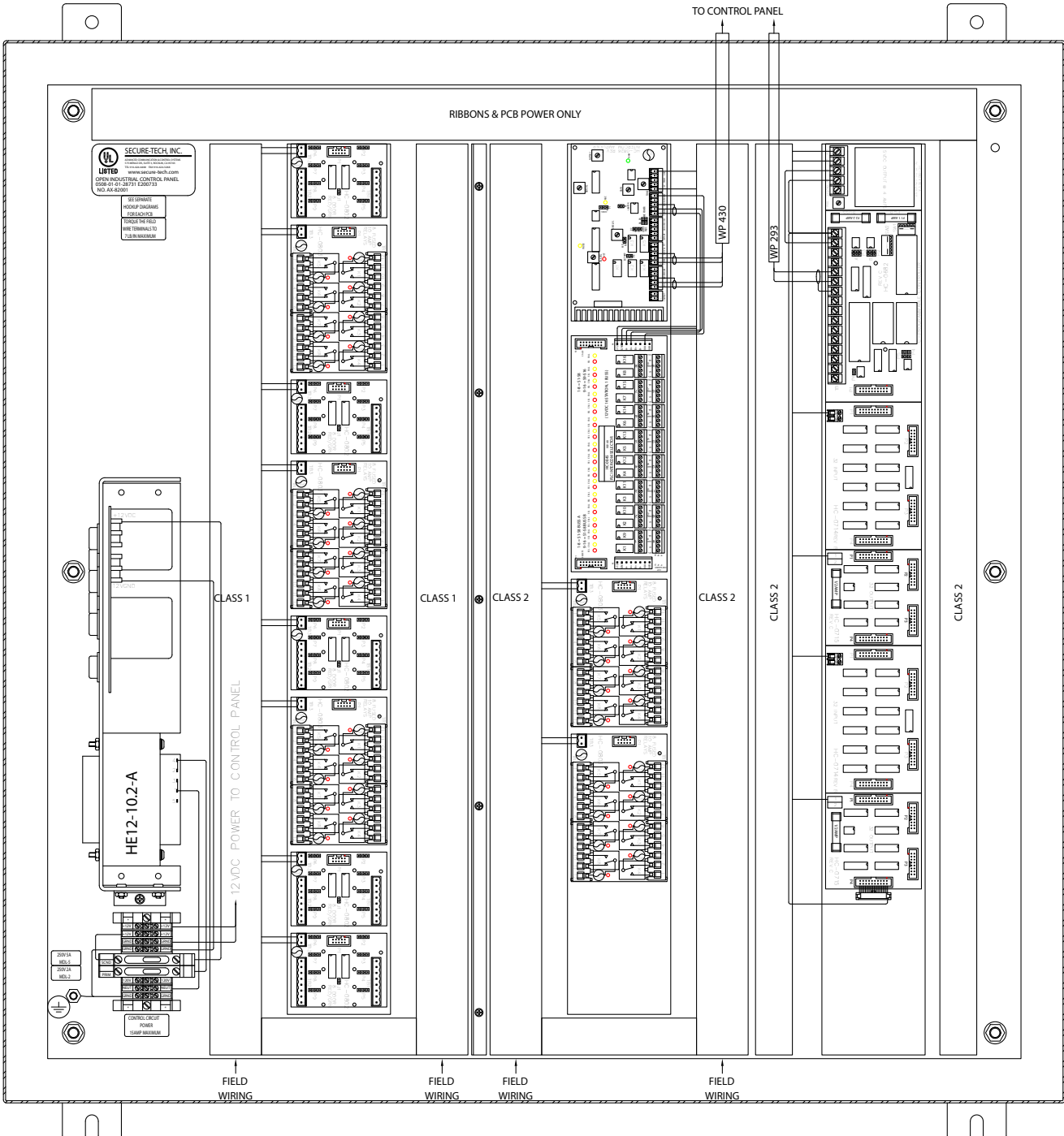
Remote RS-485 communicating control panels, or touchscreen computer terminals, are factory tested and guaranteed to function properly **only when manufactured by Secure-Tech**. RS-485 data communication is via twisted pair shielded cable connection, between all I / O equipment enclosures and control panel I / O points.

Field end-of-line device wires / cables are connected to either Phoenix type compression screw terminal plug connectors, provided on the control / monitor I / O modules, or to the Molex type insertion tool plug connectors provided on some models of the HC-0845 PLC 16 Station Intercom Selectors modules.

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LOC-PRO SERIES SYSTEM CONTROLLER ASSEMBLIES

HOOK-UP DIAGRAM



UL508 assembly shown, NEC requirements differ