



SECURE-TECH

DETENTION ELECTRONIC SYSTEMS
ETECH CONTROLS CORPORATION - MANUFACTURER
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LOC-DOOR SERIES

DOOR CONTROL / MONITOR ASSEMBLIES

FEATURES:

- **NEC 725 COMPLIANT** - FACTORY TESTED
- HC-0819 8 DOOR CONTROL / MONITOR
- HC-0707 8 DOOR RED & GREEN MONITOR OPTION
- HC-0803 8 FUSED 10 AMP RELAYS OPTION
- HC-0811 INTERLOCK CONTROLLER OPTION
- HC-0821 16 OUTPUT SEQUENCER OPTION
- 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 door control / monitor electronics packages are **NEC 725 compliant**, and are designed for use with a hardwired type custom control panel. A separate hardwired control panel is an available option, see the Operator Interface Section.

The HC-0819 8 Door Control / Monitor PCBs are suitable for operation of all types of solenoid operated swing door locks. Both red and green LED status outputs are available for use. See the HC-0819 catalog sheet for more information.

Options are available to accommodate additional monitored only doors (HC-0707), motor operated locks and / or motor operated sliding door operators (HC-0803), door interlocking (HC-0811), and sequential operation (HC-0821).

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

INSTALLATION:

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

The 25 pair telephone type plug connections at the remote hardwired control panel **must match signal wirelists** that are provided by Secure-Tech. The remote hardwired control panel is factory tested and guaranteed to function properly **only when manufactured by Secure-Tech.**

Field door wire / cables are to be connected directly to the Phoenix compression screw terminal type plug connectors provided on the control / monitor modules.

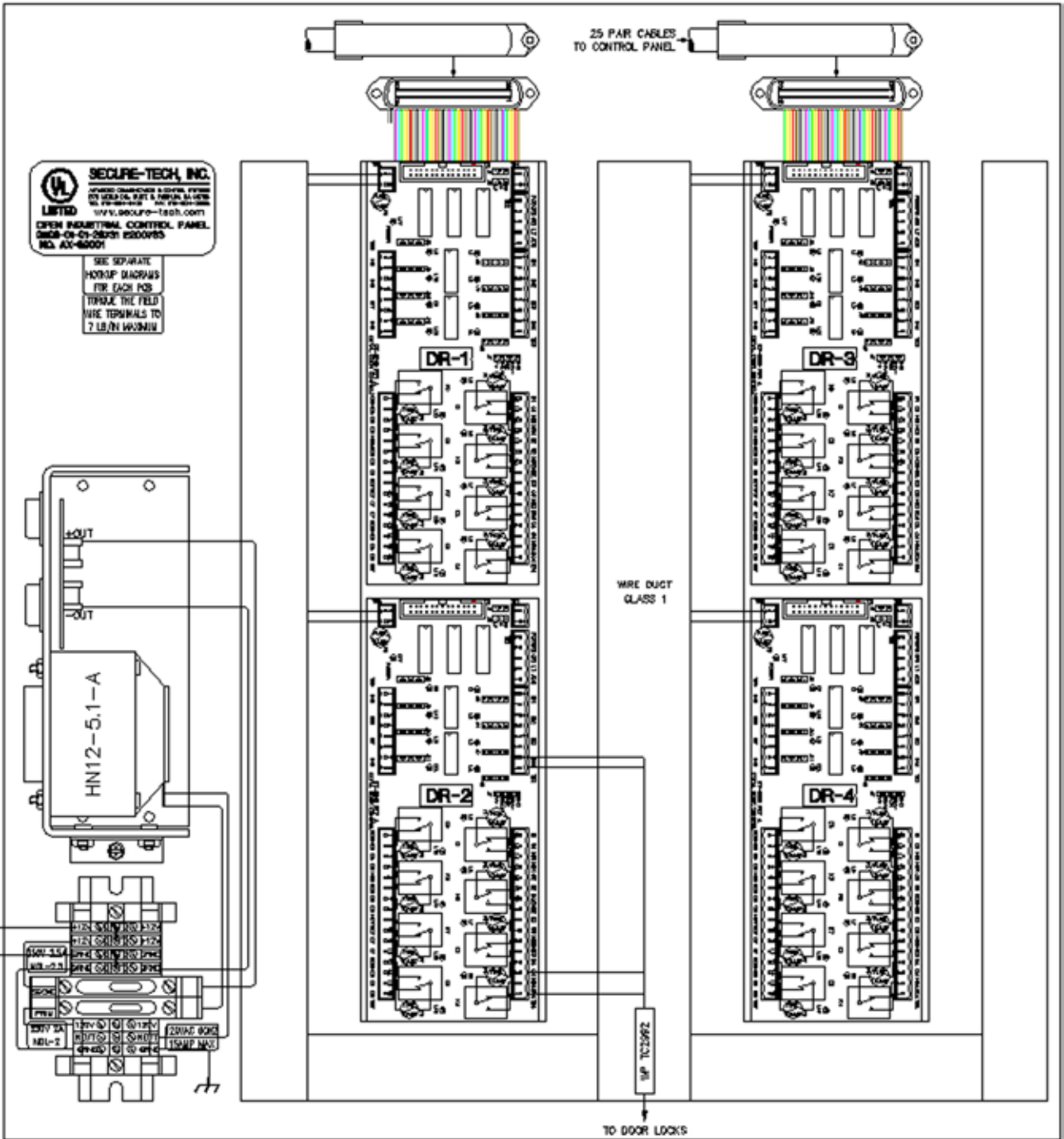
OPTIONS:

1. HC-0707 8 Door Red and Green Monitor
2. HC-0803 8 Fused 10 Amp Relays
3. HC-0811 Interlock Controller
4. HC-0821 20 x 20 Controller (with 16 output sequencer program)



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HOOK-UP DIAGRAM



UL508 assembly shown, NEC requirements differ