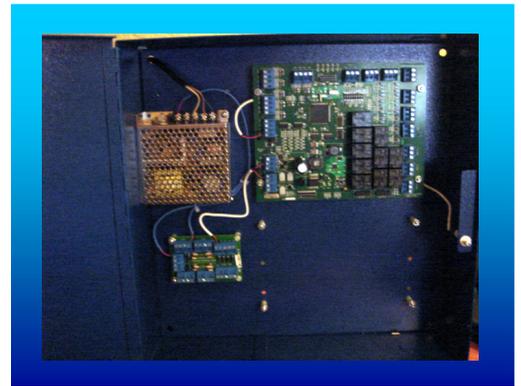


ICD-810

ALARM / RELAY MODULE

SafeCryptNet



The ICD-810 provides a combination of 8 user defined inputs (supervised or non-supervised) and 10 contact relays. Each relay is a commercial grade Form C relay capable of handling 5 amps at 30 VDC or 3 amps at 120/202 VAC. The ICD-810 provides status LED's for each of the input and output points as well as 5 on board LED's for monitoring clocking pulse and communication with the IAD-4514.

With the addition of 2 ECD-43 expansion boards the ICD-810 can provide an additional 8 input points and 6 outputs totaling 16 inputs and outputs.

Auxiliary Output Linkage

When utilizing the output function of the 10 (expandable to 16) relays, they can be locally controlled by any combination of the Form C inputs listed below:

- Monitor points 8 (expandable 16)
- Host communication loss
- Time zone control
- Alarm reference

Any of the above conditions can initiate one or more relay outputs. A different time zone can be specified for each of the outputs.

Communication Ports

- Single high speed serial communication port
- This port is used to communicate with the IAD-4514 via 2-wire RS-485 communication at user definable speeds of 19200 to 2.5meg baud

Off-Line Alarm Storage

When the ICD-810 is on-line from the ICD-4514, status changes (alarm inputs) are sent immediately to the ICD-4514 on the next interrogation response sequence.

When the ICD-810 is off-line with the ICD-4514, the status changes (alarm inputs) are stored in the FIFO log alarm event buffer. Each stored event contains:

- Time of event
- Monitor point zone number
- Monitor point zone status after change
- Monitor point zone status before change

Hardware

- Built-in auto-resetting fuse
- Built-in power supply/charger
- 1 serial port (up to 2.5meg baud)
- Communications exceeds UL Grade AA
- 5 self-diagnostic status LED's
- Capable of 16 inputs with the addition of 2 ECD-43 expansion boards
- EOL termination can be set to different values on each supervised input
- Supervised inputs designed to meet UL Grade A
- AC or DC operation
 - 12 VDC
 - 16 VAC nominal
- 10 Form C relays, 5 amps at 30VDC or 3 amps at 120/220 VAC, resistive (expandable to 16 with ECD-43 expansion boards)

