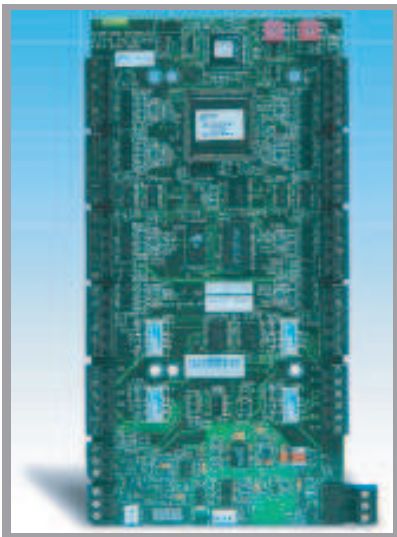


Technical Specifications - IDC Hardware

Alarm Zone Controller (AZC)

The Alarm Zone Controller (AZC) is an alarm monitoring field device for use with the Intelligent Door Controllers. The AZC functions as an interface between alarm input devices and the Network Local Controller (NLC-II) Board. The AZC features 16 supervised inputs and 4 relay outputs. Application programs (firmware) and zone configurations are downloadable into FLASH MEMORY eliminating the need to replace EPROMs for application changes and system upgrades.



During loss of communications to the NLC - II Board, the AZC continues to monitor alarms and store events in a high capacity buffer. When communications is restored, the buffered events are transmitted to the host. Industry standard RS-485 communications protocol is used between the AZC and NLC-II Board.

The system design is scalable, which provides for reduced installation costs. As customer needs change and grow, additions to the system become cost-effective by simply reconfiguring the system or adding only the required controllers.

The AZC is configured with a diagnostics port which allows field service and other technical personnel to review activity, perform diagnostic analysis, and make some configuration changes.

The AZC has mounting holes to allow upgrading of an existing Legacy RTU and can be mounted in any of the existing IDC Enclosures.

Features

- 16 supervised inputs are provided for alarm devices
- An additional input provided for tamper
- 4 Form-C output relays are provided for local annunciation or other purposes
- Downloadable FLASH memory eliminates need to change EPROMs for application programming and system upgrades
- SDRAM memory stores 2000 events during any communication disruption and forwards them when communication is restored
- RS-485 communication allows local installation or remote installation up to 4,000' (1300m) from NLC - II
- The AZC accepts a 6.0 - 16.0 Vdc power source



**Monitor Dynamics
Corporate Headquarters
12500 Network Blvd.,
Suite 303
San Antonio, TX 78249**

Technical Specifications - IDC Hardware

Alarm Zone Controller (AZC)

Electrical

| | |
|--------------|---------------|
| Power | 6-16 Volts DC |
| Current Draw | 120mA maximum |

Dimensions

| | |
|--------|------------------|
| Width | 7.0 in. (178 mm) |
| Length | 5.0 in. (127 mm) |
| Height | 1.0 in. (26 mm) |

Environment

| | |
|-------------|--------------------------|
| Temperature | 32°F-120°F, (0°C-50°C) |
| Humidity | 10%-95% (non-condensing) |

Memory

| | |
|---------------|--|
| Read Only | 64 Kbytes Flash Memory |
| Random | 128 Kbytes SDRAM |
| Event Storage | 2000 events on loss of communications |

Communications

| | |
|------------------|----------------------------------|
| Protocol | RS-485 |
| Distance | 4,000 feet |
| Media Type | Twisted Pair (Belden 9841 cable) |
| Diagnostics Port | RS-232 |

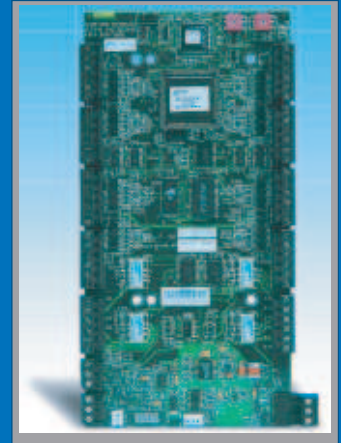
Inputs

| | |
|---------------|------------------------------------|
| Alarm Inputs | 16 Class A supervised (four state) |
| Tamper Switch | 1 unsupervised |

Outputs

| | |
|---------------|------------------------------|
| Relay Outputs | 4 Form-C |
| Max Current | 1Amp @30Vdc (resistive load) |

*Design and specifications subject
to change without notice.*



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