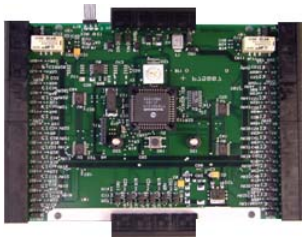
StarAcess™ Series

CONTROLLER



SA-8120

Input Monitor Interface

Benefits

* Direct connect with the SA-8100 Intelligent Network Controller via RS485 multi-dropped with built-in EOL resistor

* 16 Door Status Switch Inputs (default 2kΩclear, 1kΩactive, user definable)

* 2 Relay Outputs (form C) for general purpose auxiliary outputs

* Flash memory for real-time program updates

* Reset Switch

* Rotary address switch (0-15)

* Beeper control and Bi-color status LED

* Three dedicated inputs for Tamper, Power and battery Failure Status

* Quick disconnect screw terminal connectors

* Reports supervised and un-supervised alarms to the SA-8100 Intelligent Network Controller

* NO or NC alarm devices may be used

* Allows complex input/output linking for elevator control applications when used with the SA-8100 and SA-8130 controllers

* UL 294 and UL 1076 recognized components

Overview

Access Technologies International's StarAccess® series intelligent controllers provide the power, performance, and flexibility of a complete and fully featured hardware and firmware infrastructure for an advanced and integrated access control system, communicating via industry standard RS-232/RS485, TCP/IP protocol over 10/100Mbps Ethernet, or the Internet (future option).

The SA-8120 Input Monitor Interface Controller connects up to 16 supervised input circuits, and monitors and reports normal, off-normal, and tamper states for each input point.

The SA-8120 features on-board flash memory, allowing program updates to be downloaded via the network.

The SA-8120 connects to the SA-8100 via a high speed RS-485 network. The SA-8100, in turn, communicates with the system host via industry standard TCP/IP protocol, over 10/100Mbps Ethernet, or the Internet.

The Ethernet architecture minimizes the impact on corporate LANs, by using only one TCP/IP address for every 32 interfaces, and by handling low-level transactions on the RS-485 network.

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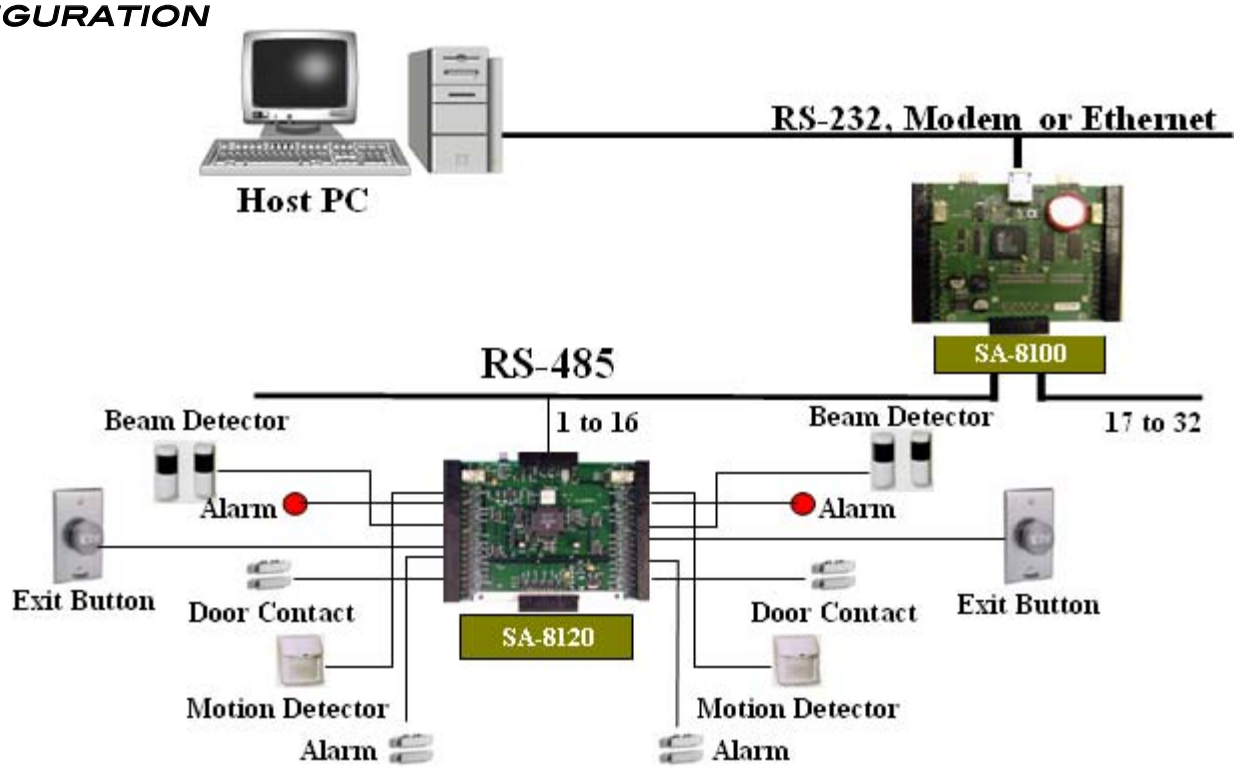
Configuration



Specifications

Dimensions	5.8" W x 4.825" H x 1.275" D (147.32mm x 122.55mm x 32.38mm)
Power Supply Requirements	50 mA @ 9 to 18 VDC
Communication Port	RS485 Two wire
Power	12 VDC, 150 mA
Operating Environment	Indoors, or NEMA-4 enclosure
Temperature	32°F to 122°F (0°C to 50°C)
Humidity	5% to 95% relative, non-condensing
Weight	12.4oz (0.35kg)
LED Indicators	Communications LED (GREEN when transmitting to host, and RED when receiving from host) Power LED (RED when 12VDC is ON)
Cable Distance	RS485 - 4000 feet (1220 m) to host using 22AWG Twisted pair, Shield 100Ω cable Input Circuits - 500 feet (150 m), 2-conductor, shielded, using 22AWG cable Output Circuits - 500 feet (150 m), 2-conductor, shielded, using 22AWG cable
Input and Ouutput Ports	16 Supervised or non-supervised input circuits. Two 1000Ω terminating resistor per circuit. One parallel, and one in series. 2 Relay Outputs (form C) for general purpose auxiliary outputs
Monitor Inputs	3 Linear inputs to monitor Tamper, AC Fail and battery Fail
Reset Button	Used to interrupt power to correct any settings
Address Switch	Set the module logical address (0 - 15)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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