Mercury Security's AP controller platforms are a value-driven option that provides a streamlined feature set with the same reliability found in our EP platforms and products. The AP units offer a flexible approach to system configuration when the native network features of Mercury's intelligent EP controllers and related devices are not required.

The Access Platform AP3108 is a multi-device interface panel for OEMs capable of monitoring a high concentration of inputs. Based on the intelligent next-generation Mercury Access Foundation, the AP3108 inputs are capable of elaborate signal processing, allowing individually configurable parameters to be set for sensitivity ranges, timing parameters and end-of-line resistance values.

Eight general purpose input circuits can be individually set for normally-open or normally-closed operations and circuits can be declared supervised and non-supervised. Supervised circuit resistance values can either be standard or customized to accommodate special requirements. Input data is scanned using analog to digital converters, and the digitized input status data is then filtered and processed based on configuration to provide the proper change-of-state events. Filter parameters are configurable on a per-point basis and include end-of-line resistance values, timing parameters, and sensitivity properties.

With its RS-485 connection, the AP3108 can be clustered or distributed to best suit the installation environment. Its compact 4x7-inch form factor allows for easy installation and requires minimal wall space. All wire termination points reside on one edge, so board installation options are plentiful. Traditional tile mounting, edge mounting or rack mounting are all possible. Hardware status indicators are plentiful and allow for confirmation of proper operation without any specialized test equipment. Individual LEDs indicate the state of each input.

Application Notes

Capable of supporting 8 general purpose sensors, the AP3108 is a modular building block used in a system configuration where the monitoring of auxiliary devices is required that may interact to control outputs on other AP controller beneath an AP3502 – such as adding building, security or energy controls.

Benefits
- Monitor external devices
- Easily customize timing and sensitivity parameters

Features
- RS-485 connectivity
- Universal I/O device characterization
- Visual point status indication

Proven Platforms for the Future
Reliable. Proven. Innovative Access Control.

To Host: RS-232, RS-485 or Ethernet Optional

Technical Specifications

Primary Power:
10-28 Vdc, 125mA

Serial Ports:

Port 1:	2-wire RS-485
Port 2:	2-wire RS-485

Inputs:

8 general purpose:	programmable circuit type
Two dedicated:	tamper and power monitor

Dimensions:
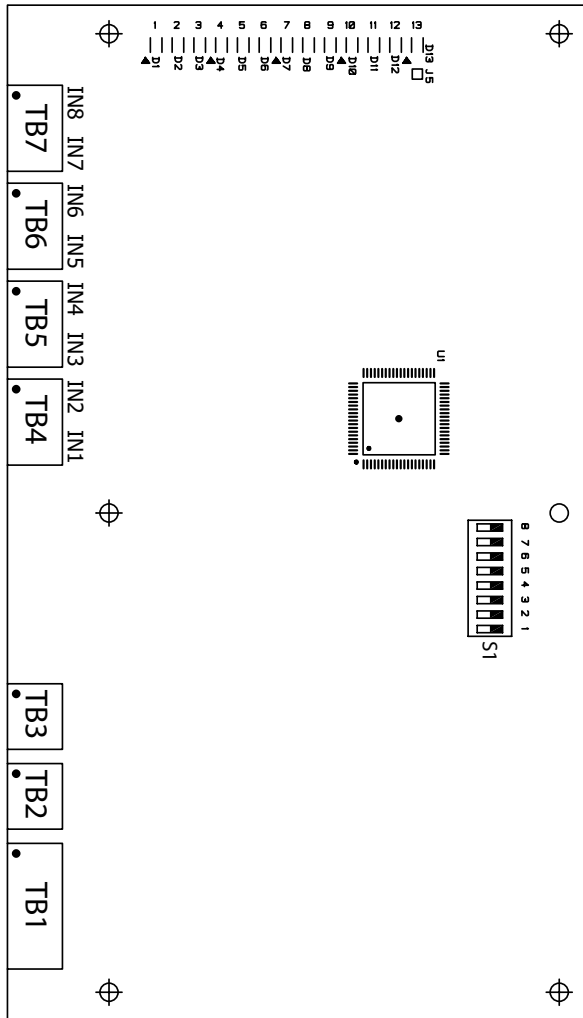4.0" x 7.0" x 1.0" (102mm x 178mm x 25mm)

Temperature:
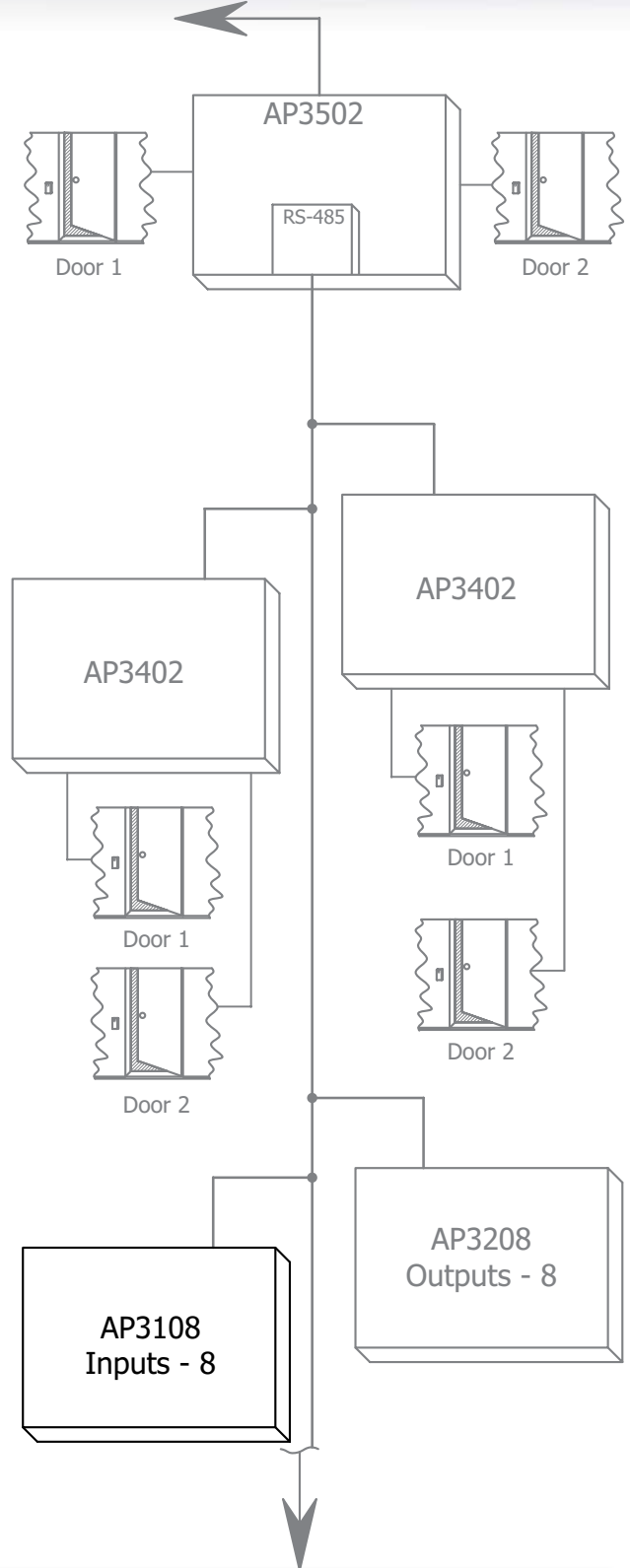0-70°C operational, -55-85°C storage

Humidity:
0-95% RHNC

Standards:
CE Compliant, ROHS, FCC Part 15 Class A, UL 294 recognized

This information is subject to change without notice.