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 AP3402 two-door module is THE choice when adding doors to an AP3502 controller. Four inputs, two relays, and two reader ports provide complete control for two doors; or if one door requires a reader on each side, three inputs and one relay may be available for other tasks.

A compact 4x7-inch form factor allows for easy installation and requires minimal wall space. With all wire termination points on one edge, 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, each relay, and each reader.

All inputs allow for either normally-open and normally-closed operation. UL Class A Supervision is also a configuration option. End-of-Line resistance features provide standard values, or a custom table can be built to accommodate any need. Relay operation can be configured to normally-open or normally-closed, and its 5-amp capacity can handle any access control requirement. Relays can be configured for fail-safe or fail-secure operation.

Application Notes

The AP3402 is a 2-door modular building block for easy expansion of systems that rely on the intelligence of the AP 3502 controller platform. Two reader ports support magnetic stripe, Wiegand and proximity readers as well as keypads and integrated keypad readers.

Benefits

- Two reader or bi-directional single door module

- Intelligent oversight and auxiliary monitoring at the access point

- Easy to install, minimal wall space required

Features

- Multi-facility code support – up to 8 codes per unit

- Multi-reader technology support

- Configurable auxiliary point control and monitoring

- UL 294 Recognized

- Universal I/O device characterization

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 +/- 15%, 250mA

Serial Ports:
Port 1:   RS-485, 2-wire

Inputs:
4 general purpose: programmable circuit
                      type
2 dedicated: tamper and power
                      monitor

Outputs:
2 relays: Form C, 5A 28Vdc

Reader Ports:
2 Reader ports

Power:
Unregulated pass through (180mA fused)
Signaling   Card/Data, Wiegand or RS-485

Keypad:
Multiplexed with card data

LED:
Two-wire or one-wire bicolor support

Buzzer:
Only with 'one-wire' LED

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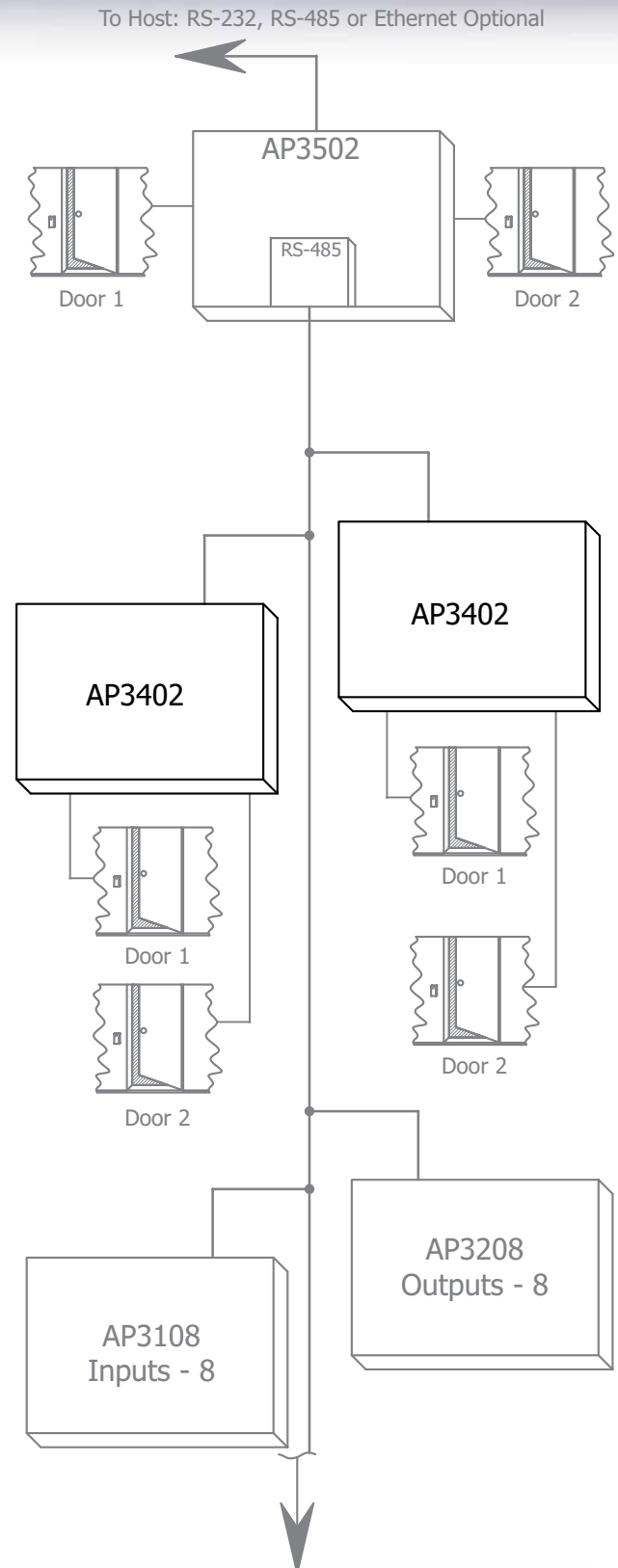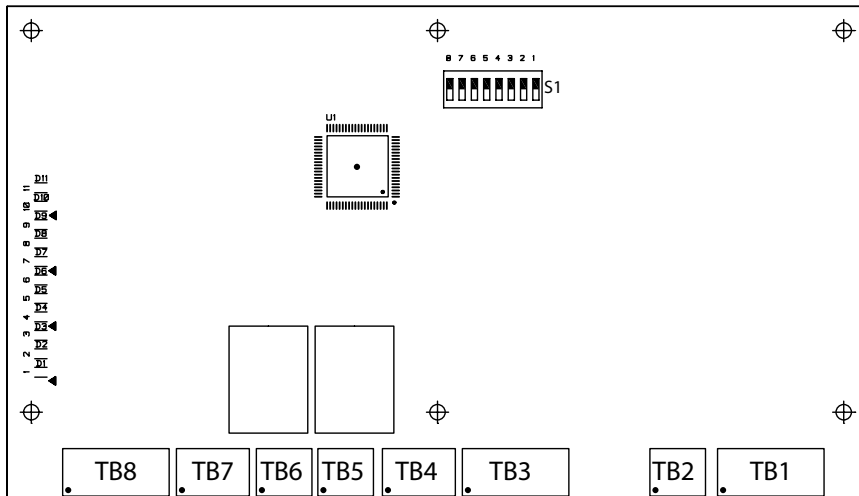(102mm x 178mm x 25mm)

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

AP3502

RS-485

Door 1

Door 2

AP3402

AP3402

Door 1

Door 1

Door 2

Door 2

AP3108
Inputs - 8

AP3208
Outputs - 8

S1

U1

TB8 TB7 TB6 TB5 TB4 TB3 TB2 TB1