

# Access Module

The Sonitrol *Access Module* is a 4 door access controller, that when added to the Sonitrol intrusion system as a slave module, tightly integrates "security" with "access control". The entire system is programmed through the Sonitrol SON<sup>NT</sup> Central Station.

In a proprietary application, with the addition of the communicator module, (ACOM) the Access

Module can communicate via dial-up telephone line or dedicated direct line to an Advantage<sup>®</sup> Suite for Networks PC or Access for Windows<sup>™</sup>.

The "host" module can control up to seven access "slave" modules. Depending on which specific "host" is being used, a total of either 28 or 32 readers per "host/slave" configuration can be achieved.

## GENERAL FEATURES

- Access for up to 10,000 cardholders
- Up to 256 Access Levels
- 128 programmable Time Shifts & Time Periods per property
- Anti-Passback options
  - Local or global
- Programmable outputs to control equipment, such as HVAC and lighting
- Distributed processing system with 8,000-event local activity buffer memory
- Optional Free Exit or Card Controlled exit
- Compatible with most card technologies
  - Wiegand
  - Proximity
  - Smart Cards
  - Magnetic stripe
  - Bar Code
- Supports different security levels
  - Level 1 (card only)
  - Level 2 (card plus PIN)
  - Level 3 (card, PIN and biometrics)

## DIMENSIONS

### Standard Enclosure

- 17.25" W x 14.5" H x 3.25" D
- (43.82cm x 36.83cm x 8.26cm)
- 20-gauge cold rolled steel with lock and key
- Color: Light gray w/Sonitrol logo

### PCB Footprint

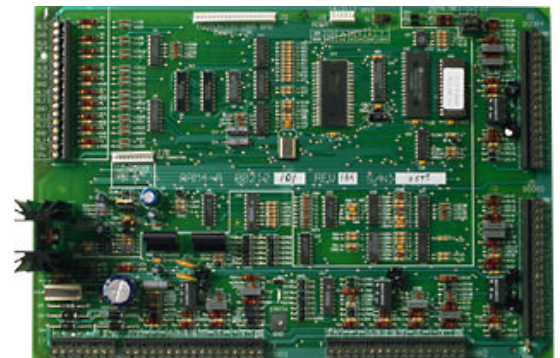
- 12.75" W x 8.75" H (32.39cm x 22.23cm)

## ALARM POINTS

- 16 programmable, supervised, hard-wired alarm inputs, including
  - Four programmable door inputs
  - Ten general purpose programmable inputs
  - One tamper input
  - One global free-exit input (for fire evac.)
- N/C, N/O, or both
- Programmable alarm codes
- Assignable to any of eight separate arming partitions

## AUXILIARY OUTPUTS

- Six, 100mA, programmable hard-wired
  - One auxiliary output per controlled door (four total)
  - Two auxiliary outputs for general control
- Optional RMOD (Relay Module)
  - 4 RMODS per Access Module
  - 8 relays per RMOD
- Controlled by shift or user groups



## Access Module

### OPERATING ENVIRONMENT

- 0° F to 122° F (-18° C to 50° C)

### PRIMARY POWER

- 100 to 120 VAC, 60Hz, using 16.5 VAC, 50VA, Class 2 plug-in transformer

### SECONDARY POWER

- Two, 12 VDC, 7AH, sealed lead-acid rechargeable batteries
- Internal battery charger
- Backup capabilities 2 to 6 hours typical (depending upon equipment)

### AUXILIARY POWER

- 12 VDC at 0.9 Amps continuous for external equipment
- 12 VDC at 1.0 Amp for door locks (250mA per door)

### APPROVALS

- FCC Part 15, Class B, Part 68
- UL 294, Access Control System Units

### COMMUNICATIONS

#### Dial-Up

- RJ31X Connection
- Secure Protocol Communications
- Asynchronous, Full Duplex
- Transmit 1070/1270 Hz; (FSK)
- Receive 2025/2225 Hz, (FSK)

#### Dedicated Line

- RJ31X Connection
- Secure Protocol Communications
- Asynchronous, Full Duplex
- Transmit 1070/1270 Hz; (FSK)
- Receive 2025/2225 Hz, (FSK)

#### RS-485

- Protocol for communication from Host Module to Slave Modules and to LCD Keypads
- Communication link: 2,000 feet maximum with 22AWG shielded twisted pair cable
- Supports up to 7 Slave Modules and 16 Keypads

### PART NUMBERS

#### Modules/PCBA's

ACCESS 4-S	Access Module Complete, SLAVE with Installation Kit
ACCESS 4-S ULC	Access Module Complete, SLAVE with Installation Kit, for Canada
90215153	PCBA, AAM Module, 4-S
ACOM	Dial/Dedicated Communications Plug-on Module (for HOST)
RMOD-A	Relay Module for 8 additional relay outputs

#### Associated Items

SPS12V1A-S	Power Supply, 12VDC, 1 amp
SPS12V1A-S ULC	Power Supply, 12VDC, 1 amp for Canada
90237100	Standard Enclosure, Sonitrol logo with lock and key
90244100	Small Enclosure, Sonitrol logo with lock and key
40003401	Enclosure Tamper Switch Kit
08610416	ransformer, 16.5VAC, 50VA, Plug-In
09500005	Battery, 12V, 7AH Gel Cell
09840002	AAM Installation Instructions
09840009	SPS12V1A-S Installation Instructions
09840020	Sonitrol Plus Users Guide