

Base Module

The primary communication processor and control unit for the Sonitrol Plus System is the Base Module. It interfaces with all other optional modules and devices, and provides communication with the Sonitrol integrated monitoring system, which receives and displays all security messages from the protected facility.

The Base Module is enclosed in a UL listed panel that is installed within the protected facility. It has the capability for impact-activated (with the Smart Audio Module) and listen-back audio verification for up to four audio inputs. The Base Module can also be integrated with the Access Control Module for up to 28 readers.

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

- 8.5" W x 7.54" H (21.59cm x 19.15cm)

AUDIO

- Four balanced audio inputs supporting four verification audio sensors or any combination of up to eight optional SmartAudio or Listen-In Modules for up to 128 audio inputs. (Audio is not available with TCP/IP communication)

LOCAL ANNUNCIATION

- Local bell drive: 12V at 1.5 Amp maximum
- Audible keypad beeper

WIEGAND INPUT

- Interfaces with one card reader or biometric device for secure, user-friendly arm/disarm of security or access control for up to 100 users. Access Modules may be added to the system to extend the access control capabilities to up to 10,000 users.

AUXILIARY OUTPUTS

- Four, 100mA, programmable hard-wired. Expandable to 36 total with Loop Expansion Modules.

ALARM POINTS

- 16 programmable, supervised, hard-wired points
- N/C, N/O, or both
- Programmable alarm codes
- Assignable to any of 8 separate arming partitions (protected areas)
- All alarm points operate normally under ground fault conditions

- Expandable to 144 points with Expansion Modules (LEM) and an additional 63 points with the Wireless Module (WIM)

ARM/DISARM FUNCTION (Secure/Access)

- Up to 16 keypads
- 8 partition capability
- Programmable switch arming via momentary contact closure
- Programmable access card arming via integrated card reader input (Wiegand)
- Programmable arm/disarm functions
 - * Single key arming
 - * Non-reporting or reporting by user
 - * Arm at shift or from external input

OPERATING ENVIRONMENT

- 0° F to 122° F (-18° C to 50° C)

AUXILIARY POWER

- 1.6 Amps continuous at 12VDC (plug-in TXF)

TRANSMISSION MEDIA

Dedicated

- UL Grade AA
- Supervision for Compromise, and Failure

Dial

- Pulse or DTMF dialing
- Integrated cut line supervision
- RJ31X jack connection
- Secondary dial line capability with optional TelPlus Module
- Secondary cellular communication with optional Cell Module

Network

- TCP/IP Protocol, Static IP address
- 10 BaseT Communication
- RJ45 Connection

Base Module

SECOND LINE (OPTIONAL MODULE)

- The TelPlus Module adds a second communication channel, either a dial with line supervision, or a dedicated line for dual line capability to meet NFPA 72 4-2.3-2.1.6 for DTMF dialing
- PCB Footprint is 2.625" W x 2.125" H (6.67cm x 5.40cm)
- Power Requirements is 12 Volts DC (from Base Module) at 0mA in Normal Standby mode and 45mA in transmit mode
- Connects to the connector J9 on the Base Module

PRIMARY POWER OPTIONS

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

SECONDARY POWER

- 12VDC, 7AH, sealed lead-acid rechargeable batteries
- Internal battery charger
- Backup capabilities 12 to 24 hours typical (depending upon installed equipment)
- Integral battery supervision for AC power loss, low battery and battery trouble

COMMUNICATIONS

Central Station

- 300 Baud asynchronous, full duplex
- Secure Protocol Communication
- TX: 1070/1270 Hz, RX: 2025/2225 Hz, FSK

Base Module RS-485 Port

- Communication link: 2,000 feet maximum using 22AWG, shielded twisted pair cable
- Supports a maximum of 40 RS-485 devices, to include: 16 keypads, 8 LEM's, 8 SAM's, or LIM's, 1 WIM and 7 Access Modules

APPROVALS

- FCC Part 15, Class B
- UL 294, "Access Control System Units" (with optional Access Module)
- UL 365, "Police Connected Burglary"
- UL609, "Local Burglary"
- UL 864, "Control Units for Fire Protective Signaling Service"
- UL985, "Household Fire Warning System Units"
- UL1023, "Household Burglar-Alarm Systems"
- UL 1076, "Proprietary Burglar Alarm Units and Systems"
- UL 1610, "Central Station Burglar Alarm Units"
- Communicator for UL 611, "Central Station Burglary"
- CSFM (California State Fire Marshal)
- ULC Commercial Fire and Burglary

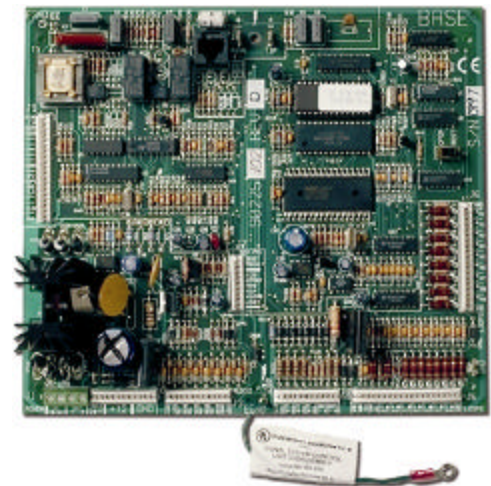
PART NUMBERS

Module's/PCBA'S

SON PLUS BAS UL	Base Kit, Standard enclosure, wall-mount transformer
SON PLUS UL	Complete Base Kit, Standard enclosure with Smart Audio module, wall-mount transformer, 120VAC
SON PLUS BASULC	Base Kit, Standard enclosure, wall-mount transformer (CANADA)
SON PLUS ULC	Complete Base Kit, Standard enclosure with Smart Audio module, wall-mount transformer, 120VAC (CANADA)
SON PLUS/RDR	Complete Base Kit, Standard enclosure with SAM, wall-mount transformer, 120VAC with HID ProxPoint reader
90225102	PCBA, Base Module, UL

Associated Items

40011901	Base Installation Connector Kit
08610416	Transformer, 16.5VAC, 50VA, Plug-In
40003401	Enclosure Tamper Switch Kit
09500005	Battery, 12V, 7 AH, Gel Cell
09840001	Base Module Installation Instructions
09840017	Canada Installation Addendum for Base Module
09810011	Sonitrol Plus Installation Manual
09840020	Sonitrol Plus Users Guide



Specifications and part numbers are subject to change without notice. (8/03).