Concord 4
Powerful, Expandable Security
Featuring Encrypted Learn Mode Technology

Overview

Concord™ with software version 4.0 and later is a full-featured security system that uses advanced technology for burglary and fire detection and complies with SIA CP-01 False Alarm Standards. Concord is a dependable security system that is both easy to install and simple to use. Modular design and advanced software provide outstanding system flexibility to meet the needs of virtually any customer. With six partitions and up to 96 zones, Concord can handle big or small residential or commercial security needs.

High Standards

The panel comes standard with 8 hardwire zone inputs, including a 2-wire smoke detector loop that can handle up to 10 detectors. A built-in RF receiver provides instant compatibility with the complete line of GE Security Learn Mode sensors. Two programmable outputs can be set up to activate external devices during an alarm or other system event.

Easy Expansion

Expand Concord's capabilities by adding SuperBus® 2000 8Z Input Modules for eight additional zones per module, or SuperBus 2000 4-Relay Output Modules to add four more output points. SnapCards™ also add to system zone inputs and outputs. Each card (one per panel) connects easily to the panel circuit board inside the cabinet for a clutter-free, professional installation.

Add 2-way RF capability with a SuperBus 2000 RF Transceiver Module for use with the Dialog RF Thermostat, Dialog Wireless Siren, and Dialog Wireless Iconized LCD Touchpad.

Expand the system even further with a Phone Interface/Voice Module for on- and off-site system control using touch-tone phones. The module includes a speaker output that provides on-site voice status and alarm messages. Adding a SuperBus 2000 Energy Saver Module lets your customers control heating and air conditioning. The Power Line Carrier Power Transformer adds X10 light control. The Wireless Gateway Module allows users to control and monitor the status of their system from the alarm.com website.

Add more power capability for system peripherals with a SuperBus 2000 Supervised Accessory Power Supply Module with battery backup. The module provides 2 amps at 12 VDC.

Effortless Programming

Conduct quick and easy on-site programming with alphanumeric touchpads and a menu driven text interface with shortcut menu numbers. A quick programming menu makes for even faster programming for smaller basic systems. For off-site programming, use Enterprise® downloader software (version 4.0 and later).

Macro keys (available only on ATP 2100 and ATP 2600 touchpads) simplify system operation for your customers. A single button press performs a system command, eliminating the need to enter an entire command string. Each of the four macro buttons on these touchpads can be programmed to perform four system commands per partition. System commands up to 14 key presses can be programmed.

Standard Features

- **6 partitions**
- **8 built-in hardwire zones; 96 zones maximum either hardwire, wireless, or combination of both**
- **2 onboard programmable outputs**
- **Compatible with all GE Security crystal and SAW Learn Mode sensors**
- **2 and 4-wire smoke detector compatibility**
- **Panel auxiliary power provides 1 amp**
- **Built-in 12-watt siren driver**
- **SuperBus 2000 compatibility (16 total devices)**
- **230 user-programmable access codes with programmable authority levels**
- **Latchkey numeric paging with optional keychain touchpad activation**
- **Audio verification in partition 1 with VOX mode (requires Interrogator® 200)**
- **SIA CP-01 False Alarm Reduction Standard compliant**
- **250-event history buffer viewable from any alphanumeric keypad, Downloader or automation device**
- **Keyswitch arming using a hardwire or wireless zone**
- **Programmable on-site using alphanumeric touchpads or off-site using Enterprise**
- **Time and status displayed on Fixed Display touchpads**
- **16-schedules available for scheduled lighting and outputs**

Ordering Information

Main Product Offering	Part Number
Concord 4 Panel	600-XXXX

Expansion Options	Part Number
8Z Hardwire Input SnapCard	60-757
Combo Input/Output SnapCard	60-756
4 Output SnapCard	60-758
SuperBus 2000 Commercial Transceiver Module (compatible only with crystal sensors & touchpads	60-821-95
SuperBus 2000 Transceiver Module (allows use of Dialog 2-way devices)	600-XXXX-95R
SuperBus 2000 Phone Interface and Voice Module	60-777-01
SuperBus 2000 8Z Input Module	60-774
SuperBus 2000 4 Output Module	60-770
SuperBus 2000 Supervised Accessory Power Supply Module	600-XXXX
SuperBus 2000 Energy Saver Module (ESM)	60-620-01
SuperBus 2000 Wireless Gateway Module	60-861
SuperBus 2000 Automation Module	60-783-02
SuperBus 2000 Cellular Backup Module	60-850, 60-850-01

Touchpad Options	Part Number
SuperBus 2000 2x16 and 2x20 Liquid Display Alphanumeric Touchpads	60-746-01, 60-803-04,
SuperBus 2000 Fixed Display Liquid Crystal Display Touchpad	60-820
ATP1000 Alphanumeric Touchpad	60-983
ATP 2100 and ATP 2600 Alphanumeric Touchpads	60-985, 60-984
SuperBus 2000 2x20 Vacuum Fluorescent Display Alphanumeric Touchpad	60-804-04
Dialog Wireless Iconized LCD Touchpad	600-XXXX-95
HiTech Handheld Touchpad	60-597-95

Specifications

Power Supply
- Required Transformer: Class II, 16.5 VAC, 40 VA, 60 Hz
- Backup Battery: 12 VDC, 7 Ah rechargeable, sealed, lead-acid
- Battery Backup Time: 24 hours (when fully charged, with appropriate external load)
- Battery Test: 15 minutes under load every 24 hours (every 4 hours for UL installations)
- Transformer Fuse: Non-replaceable fuse
- Panel Aux. Voltage Output: Current-limited, 1.0 A maximum @ 12 VDC

Communication Formats
- Dialing: DTMF or pulse with integrated line seizure relay
- Formats Supported: SIA Digital II (300 bps) or Contact ID
- Capabilities: 3 central station phone numbers and 5 pager phone numbers

Inputs
- Input Zones: 96 maximum Hardwire or Wireless, 8 Hardwire zones built-in
- Databus Format: SuperBus 2000 with auto-enrolling capability
- Databus Capacity: Up to 16 devices

Outputs
- OUT1/+12 V (Output 1): 12 VDC, 1.0 A (maximum combined with Auxiliary Power Output)
- OUT2/OC (Output 2): Open-collector, 300 mA (maximum)
- Auxiliary Power Output: Regulated, current limited, self-resetting 12 VDC: 1.0 A (maximum combined with Output 1)

Environmental
- Operating Temperature: 32° to 120° F (0° to 49° C). Up to 140° F (60° C) under temporary conditions.
- Storage Temperature: -30° to 140° F (-34° to 60° C)
- Maximum Humidity: 90% relative humidity, noncondensing

Physical Description
- Dimensions: 12.0" (31 cm) wide x 14.0" (31 cm) high x 3.0" (8 cm) deep
- Chassis Material: .048-in (1.2 mm) 16 gauge steel, punched and formed
- Weight: 5 lbs. 10 oz. (2.5 kg)
- Installation: Wall mounting
- Color: Beige
- Lock Set: Optional

Approvals/Listings
- FCC: Parts 15 and 68—pending
- UL: Household Fire Warning System Unit (UL985—applied for)
  Household Burglar Alarm System Unit (UL1023—applied for)
  Central Station Burglar Alarm Units (UL1610—applied for) (60-801 only)
  Digital Alarm Communicator System Units (UL 1635—applied for)
- CUL: Residential Burglary Alarm System Unit (ULC-S309—applied for)
  Residential Fire Warning System Control Unit (ULC-S545-M89—applied for)
- CSFM: Household Fire Warning System—applied for
- SIA: UL listed/SIA CP-01 2000 False Alarm Prevention—applied for

Crystal, SAW and Encrypted Learn Mode Keychain Touchpads	60-659-95R, 60-832-95R

Preliminary