Concord™
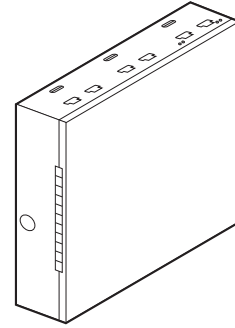
Security System Control Panel

Interactive Technologies, Inc.

ITI Part # 60-734

Overview

Concord is a full-featured, hardwire hybrid security system that uses advanced technology for burglary and fire detection, making Concord a dependable security system that is both easy to install and simple to use. Concord's modular design provides outstanding system flexibility to meet the needs of virtually any customer. With 2 partitions and up to 76 zones, Concord can handle big or small residential and commercial security needs.

The panel comes standard with eight hardwire zone inputs, of which one can be set up as a 2-wire smoke detector loop that can handle up to 10 detectors. Two built-in output points can be set up to activate external devices during an alarm or other system event. SnapCards™ add to the system's zone input and output point capabilities. Each card (one per panel) connects easily to the panel circuit board inside the cabinet for a clutter-free, professional installation.

Expand Concord's capabilities by adding optional SuperBus™ Hardwire Input Modules for eight additional zones per module, or optional SuperBus Hardwire Output Modules to add four more output points. For instant compatibility with ITI's complete line of patented wireless Learn Mode™ sensors and touchpads, add up to four SuperBus RF Receivers available in 16- or 32-zone configurations.

Expand the system even further with a Phone Interface/Voice Module for on- and off-site system control using touch-tone phones, and a speaker output for on-site voice status and alarm messages. Digitized voice messages over phones and speakers inform users of the current status, reassuring them the system is operating correctly. The Power Line Carrier card adds X-10 light control and Supervised Wireless Siren operation.

A new menu-driven programming interface with shortcut menu numbers guides installers quickly and easily with access via alphanumeric touchpads to all configurable settings, or use ITI ToolBox® downloader software (version 4.0 and later).

Features

- 2 partitions
- 76 individual zones—8 built-in and 68 more when optional SuperBus Hardwire Input Modules or SuperBus RF Receivers are added
- Compatibility with all ITI 319.5 (crystal or SAW) wireless Learn Mode sensors and HighTech Handheld Touchpad (with optional SuperBus RF Receiver installed)
- Built-in 12-watt siren driver
- 2-wire smoke detector compatibility
- Compatible with two low-cost touchpads: 8-zone LED and LCD 2x16 Alphanumeric
- 30 VA transformer provides 1 amp continuous power (2 amps with 50 VA transformer)
- 60 user-programmable access codes with programmable authority levels

- Latchkey numeric paging
- Up to 16 scheduled light events
- 100-event history buffer
- Hardwire Output Module compatibility
- Keyswitch arming using a hardwire or wireless zone
- On- and off-site telephone control with digitized-voice feedback (with optional Phone Interface/Voice Module installed)
- Light control and Supervised Wireless Siren support (with optional Power Line Carrier card installed)
- Interrogator® 200 compatibility for two-way voice listen-in/talk-back
- Premises temperature control (with optional Energy Saver Module installed)

Power Supply

Required Transformer	Class II, 24 VAC, 30 VA or 50 VA, 60 Hz
Backup Battery	12 VDC, 4 Ah, or 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
Fuse	Non-replaceable transformer fuse; self-resetting, current-limited auxiliary voltage output

Telephone/Modem

Dialing	DTMF or pulse
Modem	SIA Digital II (110 or 300 bps) or Contact ID
Telephone Interface	Line seizure relay

Inputs/Outputs

Total Input Zones	76—8 built-in
Auxiliary Power Outputs	Regulated, current limited, fused 12 VDC: 1 amp maximum (with 30 VA transformer) 2 amps maximum (with 50 VA transformer)
Hardwire Bus Devices	Up to 16 devices
Outputs	2 open-collector, 200 mA (maximum)

Microprocessor

Processor Type	Mitsubishi M30612 (16-bit RISC)
Processor Clock	9.8304 MHz
System ROM	64 K
System RAM	4 K
Memory Retention	Unlimited duration (8 K EEPROM)

Digitized Voice (with optional PIV installed)

Digitization Type	Continuous Variable Slope Delta (CVSD)
Playback Rate	25,000 bits/second (varies by word)
Vocabulary Size	Over 220 words (approximately 120 seconds)

Environmental

Operating Temperature	40°F (4°C) to 100°F (38°C)
Maximum Humidity	70% relative humidity, noncondensing
Standards	FCC Part 15, FCC Part 68
	UL Listings 985, 1023, and 1610 pending

Physical Description

Color	Gray
Dimensions	12.25" (31.2 mm) wide x 12.25" (31.2 cm) high x 3.0" (8.2 cm) deep
Weight	5 lbs, 10 oz. (2.5 kg)
Installation	Wall mounting
Chassis Material	.048-in (1.2-mm) 16-gauge steel, punched and formed