SPECTRA combines innovative features with an advanced communication bus for a unique expandable security system. Through its communication bus, SPECTRA can be expanded via wireless and wired expansion modules and a variety of accessory modules. With its reliable communication technology, flexible expansion and great-looking keypads, SPECTRA is an ideal security system for any residential or commercial installations that require up to 32 zones of protection.

The SPECTRA SP series' outstanding reliability easily expands to provide you with more features, such as StayD™, more on-board zones (expandable up to 32), more on-board PGMs (expandable up to 16), and support for the GSM / GPRS Modules (PCS Series), Plug-In Voice Dialer (VDMP3) and Internet Module (IP150). With their in-field firmware upgrade capability, the SPECTRA SP series allows installers to upgrade their system without hassle - quickly, easily and on site. And to further simplify installation, every SPECTRA panel can be configured using easy-to-follow program menus.

SPECTRA
Compatibility Overview

Control Panels



SP65

SP65: 9 to 32 Zone Control Panel
SP4000: 4 to 32 Zone Control Panel
SP5500: 5 to 32 Zone Control Panel
SP6000: 8 to 32 Zone Control Panel
SP7000: 16 to 32 Zone Control Panel

4-wire BUS

Expansion Modules



ZX8

ZX8SP:	8 Zone Expansion Module
ZX8:	8 Zone Expansion Module
PGM4:	4 PGM Expansion Module
RTX3:	Wireless Expansion Module
RX1:	Wireless Receiver

Communicator Modules



PCS250 / PCS250G

PCS250:	GPRS / GSM Communicator Module
PCS250G:	GPRS Communicator Module
IP150:	IP Communicator
VDMP3:	Plug-in voice Module

Software & Accessories



iParadox

iParadox:	Alarm System Control App
HUB2:	2 Port HUB
PMC5:	Memory Key
307USB:	Direct Connect Interface
BabyWare:	PC Software
InField:	Firmware Upgrade Software

Wired Keypads



TM50

TM50:	Intuitive Touchscreen
K32LX:	Wired LCD Keypad with Integrated RF Transceiver
K32LCD+:	32-Character Wired LCD Keypad Module
K35:	32-Zone Wired Fixed LCD Keypad Module
K32+:	32-Zone Wired LED Keypad Module
K10V:	10-Zone Wired LED Keypad Module
K10H:	10-Zone Wired LED Keypad Module
K636:	10-Zone Wired LED Keypad Module

Wireless Keypads and Remotes



K37

K37:	32-Zone Wireless Fixed LCD Keypad
K32RF:	32-Zone Wireledd LED Keypad Module
REM3:	Hand-Held Two-Way Remote Keypad
REM2:	2-Way Remote Control with Backlit Buttons
REM1:	Remote Control with Backlit Buttons
REM15:	Remote Control with Backlit Buttons
REM101:	Emergency / Panic Remote Control
RAC1:	Remote Control with Integrated Access Card

Wireless Devices



NVR780

NVR780:	Wireless Digital Outdoor Dual Side-View Detector with 4x Dual Sensors
PMD85:	Wireless Outdoor Digital Dual-Optic High-Performance PIR
PMD75:	Wireless Digital Dual-Optic High-Performance PIR
PMD2P:	Wireless PIR Motion Detector with Built-in Pet Immunity
DCT10:	Wireless 2-Zone Long-Range Door Contact
DCTXP2:	2-Zone Wireless Door Contact
DCT2:	Wireless Ultra-Small Door Contact
G550:	Wireless Glass Break Detector
GS250:	Gpower Wireless Multi-axis Detector
SD360:	Wireless Ceiling-Mounted Smoke Detector
WS588P:	Wireless Smoke Detector
WC588P:	Wireless Carbon Monoxide Detector
WH588P:	Wireless Heat Detector
SR130:	Wireless Outdoor Siren with Built-in Strobe Light
SR150:	Wireless Outdoor Siren with Built-in Strobe Light
RPT1:	Wireless Repeater Module
2WPGM:	2-Way Wireless PGM

SPECTRA

Control Panels Comparison

Features





	SP4000	SP5500
StayD™	▲	▲
Maximum Zones*	32	32
On-board Zones	4 (8 with ATZ)	5 (10 with ATZ)
Expansion Zones	24	24
Keypad Zones	15	15
Partitions	2	2
User Codes	32	32
PGMs	12 (1 on-board)	16* (2 on-board)
PGM +/- Trigger	-	-
Siren	Wired	Wired / Wireless with RTX3
Alarm Relay	-	-
Event Buffer	256	256
Wireless Expansion	▲	▲
2-Wire Smoke Detector Input	-	-
GPRS / GSM Module (PCS Series)	▲	▲
Compatible with IP150	▲	▲
Compatible with VDMP3	▲	▲
Patented 2 Opto Coupler Dialer Circuit	▲	▲
In-Field Firmware Upgradeable	▲	▲

Specifications

Input Voltage	16.5 Vac (50 or 60 Hz) minimum 20 VA (40 VA recommended)	16.5 Vac (50 or 60 Hz) minimum 20 VA (40 VA recommended)
Internal Power Supply	1.1A switching	1.1A switching
Battery	12 Vdc, 4 Ah / 7 Ah	12 Vdc, 4 Ah / 7 Ah
Battery Charging Current	Limited by 1.1A supply current (AUX consumption - no dedicated battery current limit circuit)	350 mA or 700 mA
Auxiliary Current	450 mA, fuseless shutdown at 600 mA	700 mA maximum, fuseless shutdown at 1.1A
Bell Output	1A (fuseless shutdown at 3A)	1A (fuseless shutdown at 3A)
PGM Output	1 x 100 mA Open-Collector	2 x 100 mA Solid state
Operating Temperature	-10 to 55 °C (14 to 131 °F)	-10 to 55 °C (14 to 131 °F)
Metal Box	Fits in 20 x 25.5 x 7.6 cm (8 x 10 x 3 in.) and 28 x 28 x 7.6 cm (11 x 11 x 3 in.) metal boxes	Fits in 20 x 25.5 x 7.6 cm (8 x 10 x 3 in.) and 28 x 28 x 7.6 cm (11 x 11 x 3 in.) metal boxes
Dimensions	6.6 x 14 x 2.5 cm (2.5 x 5.5 x 1 in.)	8.9 x 19 x 2.5 cm (3.5 x 7.5 x 1 in.)
Special Feature | Certification	STAY D™ | CE	CE EN 50131 GRADE 2 EN 50130-5 CLASS II EN 50136 ATS 2 EN 45011 SYSTEM 5

▲ = included feature

*any of which can be wireless **optional

SPECTRA
Control Panels Comparison

Features			
	SP6000	**SP65**	**SP7000**
StayD™	▲	▲	▲
Maximum Zones*	32	32	32
On-board Zones	8 (16 with ATZ)	9 (18 with ATZ)	16 (32 with ATZ)
Expansion Zones	24	24	16
Keypad Zones	15	15	15
Partitions	2	2	2
User Codes	32	32	32
PGMs	16* (2+2** on-board)	16* (3 on-board)	16* (4 on-board)
PGM +/- Trigger	▲	▲ (via BabyWare)	▲
Siren	Wired / Wireless with RTX3	Wired / Wireless with RTX3	Wired / Wireless with RTX3
Alarm Relay	1**	-	1
Event Buffer	256	256	256
Wireless Expansion	▲	▲	▲
2-Wire Smoke Detector Input	▲	-	▲
GPRS / GSM Module (PCS Series)	▲	▲	▲
Compatible with IP150	▲	▲	▲
Compatible with VDMP3	▲	▲ (via PCS250)	▲
Patented 2 Opto Coupler Dialer Circuit	▲	-	▲
In-Field Firmware Upgradeable	▲	▲	▲
Specifications			
Power Supply	1.5A switching	1.5A switching	1.5A switching
Input Voltage	16.5 Vac (50 or 60 Hz) minimum 20 VA (40VA recommended)	16.5 Vac (50 or 60 Hz) minimum 20 VA (40 VA recommended)	16.5 Vac (50 or 60 Hz) minimum 20 VA (40 VA recommended)
Battery	12 Vdc, 4Ah / 7Ah	12 Vdc, 4Ah / 7Ah	12 Vdc, 4Ah / 7Ah
Battery Charging Current	350 or 700 mA	Limited by 1.1A supply current (AUX consumption - no dedicated battery current limit circuit)	350 or 700 mA
Auxiliary Current	700 mA maximum, fuseless shutdown at 1.1A	700 mA maximum, fuseless shutdown at 1.1A	700 mA maximum, fuseless shutdown at 1.1A
Bell Output	1A (fuseless shutdown at 3A)	1A (fuseless shutdown at 3A)	1A (fuseless shutdown at 3A)
PGM Output	2 x 100 mA Solid state and 2 x 100 mA Open Collector (+/- trigger)	3 on-board PGMs (all +/- trigger)	2 x 100 mA Open Collector and 2 x 100 mA Solid state (+/- trigger)
Operating Temperature	-10 to 55 °C (14 to 131 °F)	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)
Metal Box	Fits in 20 x 25.5 x 7.6 cm (8 x 10 x 3 in.) and 28 x 28 x 7.6 cm (11 x 11 x 3 in.) metal boxes	Fits in 20 x 25.5 x 7.6 cm (8 x 10 x 3 in.) and 28 x 28 x 7.6 cm (11 x 11 x 3 in.) metal boxes	Fits in 20 x 25.5 x 7.6 cm (8 x 10 x 3 in.) and 28 x 28 x 7.6 cm (11 x 11 x 3 in.) metal boxes
Dimensions	8.9 x 19 x 2.5 cm (3.5 x 7.5 x 1 in.)	6.6 x 14 x 2.5 cm (2.6 x 5.5 x 1 in.)	10.8 x 20.3 x 2.5 cm (4.3 x 8 x 1 in.)
Special Feature | Certification	CE EN 50131 GRADE 2 EN 50130-5 CLASS II EN 50136 ATS 2 EN 45011 SYSTEM 5	CE	CE

▲ = included feature

*any of which can be wireless **optional