

FireNET L@TITUDE - ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL



DESCRIPTION

The all new L@titude product range of fire alarm control equipment combines the very latest hardware and software to produce a control and indication system, which is powerful and sophisticated, yet simple to use and understand. The flexibility of the L@titude platform is such that it can be re-configured to realize many other control and indication applications, with direct integration into intelligent buildings.

Moving away from the simple, price driven competitive model used by most manufacturers today, the L@titude concept is designed to add value to System Designers, Integrators, Service Providers, and end users. Developed from the “ground up” and using some of the most advanced technology available, L@titude is designed as one of the most powerful, intelligent, and technically robust fire alarm products available.

Not only do the products and services offered under the L@titude brand provide solutions to the most technically challenging applications in life safety, L@titude will deliver added value, market advantage, and a competitive edge to your business.

STANDARD FEATURES

- UL Listed (10th Edition), FM and CSFM Approved
- 2 to 8 SLC loop or 2 to 16 SLC loop versions
- 400mA SLC loop current
- Programmable NACs; 4 Class B or 2 Class A, all with internal synchronization
- 5.25 A or 10.25 A power supply options
- 3 programmable inputs and 5 programmable relay outputs
- 7 inch, full-color resistive touch screen with intuitive user interface
- Up to 24 programmable soft “function button keys”
- Up to 64 user login accounts
- Hard-wired fire and trouble routing inputs and outputs
- Modular and expandable electronics
- 400 sub-address points per SLC loop (800 per SLC loop module)
- Option to “invert” inputs and outputs
- 5,000 programmable cause and effects; over 50,000 inputs and outputs
- Can be networked with programmable functionality
- Programming via USB port to PC or memory stick
- Up to 127 sensors and modules, plus 127 sounder bases, for a total of 254 addresses per SLC Loop

PRODUCT LISTINGS



California State
Fire Marshal
7165-0410:0506

Specifications subject to change without notice.

The S768 Printer option has been discontinued

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Single Aperture



Double Aperture
Includes Zone LED Module

Optional Panel Peripherals

• Network Module (S723)

The L@titude Network Module provides enhanced high-speed communication for networking fire control panels. The network provided by this module can support combinations of L@titude Fire Alarm Control Panels and L@titude Vision units. L@titude Fire Alarm Control Panels can receive events from other panels in the network. The Class X networking used in conjunction with the Network Module provides tolerance against open and short circuit trouble conditions.

• Dual Loop Panel Module (S758)

The Dual Loop Panel Module monitors loop device status and provides status to the panel processor. It holds device configurations and operates in a standalone manner when catastrophic failures occur.

16 Channel I/O Interface Panel Module (S772)

The 16 Channel I/O Interface enhances the versatility of the alarm system by providing additional input and output capabilities to the L@titude Fire Alarm Control Panel. Inputs or outputs can be selected for up to 16 individual channels, and are configured in the same way as devices connected to SLC loops of the panel. The 16 Channel I/O Interface can be configured to contribute or act upon cause and effect logic.

• Media Gateway™ Panel Module (S788)

The Media Gateway™ Panel Module provides connectivity to monitoring centers using IP (Sur-Gard), or dialup connectivity. The Media Gateway™ may also be used to meet integration application requirements.

• 8 Channel Relay Panel Module (S791)

The 8 Channel Relay Panel Module has 8 voltage-free changeover relay contacts, each of which can be individually programmed. All outputs are configurable in the same way as devices connected to the loops and all may be acted upon by cause and effect logic. These boards are typically used in applications which require more than the five standard relay outputs, such as signaling to other systems or plant control.

NOTE: Modules S758, S772, S788, S791, S792, and S793 plug into the L@titude's back board. Module S723 connects to the S721 CPU/Display Board

• 8 Channel Conventional Zone Panel Module (S792)

The 8 Channel Conventional Zone Panel Module has 8 supervised detection circuits (Class B). Each circuit can support up to 20 conventional detectors and approved devices. Individual circuits may be configured for trigger resistor or short circuit activation. These circuits may be used for any of the standard input actions and can be configured to contribute to cause and effect logic. Each pair of circuits (e.g., 1 and 2, 3 and 4, etc.) can be joined to form a single Class A configuration.

• 4 Channel NAC Panel Module (S793)

Additional NAC output capability can be added to by using 4 Channel NAC Modules. These boards have 4 supervised NAC outputs, each of which can be individually programmed. The circuits can be configured for class A or B operation. These circuits can be configured to act upon cause and effect logic.

• 16 Channel I/O Interface Card (S560)

The 16 Channel I/O Interface Card will provide the same functionality as the 16 Channel I/O Interface panel module. The 16 Channel I/O Interface Card uses four wires to connect to the L@titude's RS-485 I/O terminals and AUX power terminals allowing the card to be remotely located.

• Zone LED Module (S771)

The Zone LED module contains 48 LEDs and is connected to the LCD Main Processor Board of the L@titude Fire Alarm Control Panel. A maximum of three Zone LED modules can be connected to provide the fascia with 144 Zone LED indicators.

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TECHNICAL SPECIFICATIONS

2 to 8 LOOP (4 SLOT) ENCLOSURE

Size	Standard Cabinet: 420mm (W) x 590mm (H) x 153mm (D) (16.5in (W) x 23.2in (H) x 6in (D)) Deep Cabinet: 420mm (W) x 590mm (H) x 203mm (D) (16.5in (W) x 23.2in (H) x 8in (D))
Construction	Mild sheet steel enclosure, 1.5mm, 16 gauge
Cable Entry	Standard Cabinet: 28 knockouts top, 19 knockouts back, 1 knockout each side, 2 knockouts bottom Deep Cabinet: 38 knockouts top, 19 knockouts back, 1 knockout each side, 2 knockouts bottom
Semi-Flush Mounting Kit (optional)	KM5FCRD: Red (RAL3002) KM5FCGY: Gray (BS 00 A 0S) KM5FCBS: Black (RAL9005)
Battery Capacity	Standard Cabinet: Up to 28Ah (Power Sonic PS-12280) Deep Cabinet: Up to 40Ah (Power Sonic PS-12400)

2 to 16 LOOP (8 SLOT) ENCLOSURE

SIZE	8 Slot Standard Cabinet: 540mm (W) x 720mm (H) x 160mm (D) (21.3in (W) x 28.3in (H) x 6.3in (D)) 8 Slot Deep Cabinet: 540mm (W) x 720mm (H) x 212mm (D) (21.3in (W) x 28.3in (H) x 8.3in (D))
Construction	Mild sheet steel enclosure, 1.5mm, 16 gauge
Cable Entry	Standard Cabinet: 38 knockouts top, 25 knockouts back, 2 knockouts each side, 2 knockouts bottom Deep Cabinet: 50 knockouts top, 25 knockouts back, 2 knockouts each side, 2 knockouts bottom
Battery Capacity	Standard Cabinet: Up to 28 Ah (Power Sonic PS-12280) Deep Cabinet: Up to 40 Ah (Power Sonic PS-12400)

ALL MODELS

Finish	Epoxy powder coated
Cabinet Color	Lid & Box: Red (RAL3002), Gray (BS 00 A 0S), or Black (RAL9005) Control Plate: Light Gray (RAL7016)
AC Input voltage ratings	115VAC or 230VAC (120 VAC or 240 VAC)
Standby Battery Ratings (Maximum)	5.25A Power Supply (charges up to 60Ah VRLA batteries) 10.25A Power Supply (charges up to 100Ah VRLA batteries)
Display	Full color 800 x 480 LCD with resistive touch screen and automatic backlight dimming
Software zones	2,000
Software groups	5,000
Cause and Effects	5,000
Event log	10,000 events, 1 second resolution. Filterable and printable
Detection SLC loops	2 to 16 (one S758 dual loop module adds two SLC loops)
Detection SLC loop current	400 milliamps each NOTE: Each detection SLC loop can display a maximum of 5 devices in Alarm or Activated state*
AUX 24V Output	2 (each rated at 900 mA)
NAC Outputs	4 (each rated at 2.5A (1.3A for System Sensor devices). 4 Class B or 2 Class A)
NAC Synchronization	Internal Support of System Sensor, Wheelock, Gentex and Amseco protocols
NAC Configuration (optional)	Continuous power, Resettable power or Door Holder power
Programmable Relay Outputs	5 (each rated at 30 VDC, 1 Amp)
Programmable Inputs	3 (designed to be activated by voltage-free contacts)
Network Connections	Optional network card provides communication for networking 127 panels, Latitude & Vision annunciator
Number of Nodes on a Network	2 - 127 (127 is the maximum number of nodes on a network, UL Listed)
Zone LED Indicators (optional)	Up to 3 banks of 48 LEDs (a total of 144 LEDs)

ELECTRICAL SPECIFICATIONS

PART NUMBER	MODEL	NAME	STANDBY CURRENT	ALARM CURRENT	NOTES
	See Page 4	*L@titude Control Panel	.350A	.450A	
	See Page 4	Vision Annunciator	.341A	.341A	
0101-02710	S408	10.25A Power Supply	.080A	.080A	
0101-02690	S406	5.25A Power Supply	.078A	.078A	
0101-01220	S723	Network Module	.080A	.080A	
0101-01230	S758	Dual Loop Module	.115A	.115A	Figures exclude SLC devices
0101-01280	S788	Media Gateway Module	.114A	.114A	
0101-01250	S791	8-Channel Relay Module	.010A	.160A	Alarm all 8 relays active
0101-01330	S771	Zone LED Module	.005A	.005A	+ .003A per active LED

Current draw includes LCD main processor board, main back board, System A board, and System B boards only

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LA 1 0 3 H# - 14 (abcd)

If no peripheral cards are ordered,
this portion of the model number
should be omitted.

- OPTIONAL PERIPHERAL CARDS
- ZONE LEDs & APERTURE
- CABINET COLOR
- LOOP MODULES & COMMUNICATION MODULES
- POWER SUPPLY
- LANGUAGE
- ENCLOSURE STYLE
- PRODUCT STYLE

Panel Options	Valid Entries	Description
Product Style	LA	FireNET L@titude
	LF	FireNET L@titude Vision Repeater
Enclosure Style	1	4 Slot Standard Enclosure
	2	4 Slot Standard Plex-Door Enclosure
	3	4 Slot Deep Enclosure
	4	4 Slot Deep Plex-Door Enclosure
	5	Invalid Option
	6	4 Slot 19" Rack Mount Enclosure
	7	8 Slot Standard Enclosure - 16 Loop
	8	8 Slot Standard Plex-Door Enclosure - 16 Loop
	9	8 Slot Deep Enclosure - 16 Loop
	A	8 Slot Deep Plex-Door Enclosure - 16 Loop
Language	C	Annunciator
	0	English
	1	Portuguese
	2	Spanish
Power Supply	3	Taiwanese
	0	None
	1	5.25 A 120V
	2	5.25 A 240V
Loop Modules & Communication Modules	3	10.25 A (auto-voltage sensing)
	00	Not Fitted
	NC	Network Module only (Network Vision Annunciator)
	H#	2-Loop Panel Module, Hochiki Protocol
	I#	2-Loop Panel Module, Hochiki Protocol, and Media Gateway™
Cabinet Color	J#	2-Loop Panel Module, Hochiki Protocol, and Network Module
	K#	2-Loop Panel Module, Hochiki Protocol, Network Module, and Media Gateway™
	1	■ Red (RAL3002)
Zone LEDs & Aperture	4	■ Gray (BS 00 A 05)
	6	■ Black (RAL9005)
	0	No Zone LEDs
Optional Peripheral Cards	1	No Zone LEDs, Blank 2nd Aperture
	3	Invalid Option
	4	Invalid Option
	5	48 Zone LEDs
	6	96 Zone LEDs
	7	144 Zone LEDs
	a	16 Channel I/O Panel Module (S772)
	b	8 Channel Relay Panel Module (S791)
	c	8 Channel Conventional Zone Module (S792)
	d	4 Channel NAC Module (S793)