HOCHIKI

World Class Leaders in Fire Detection Since 1918

l@titude

RANGEOVERVIEW

A life safety technology platform

INTRODUCTION

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 realise 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 the end users.

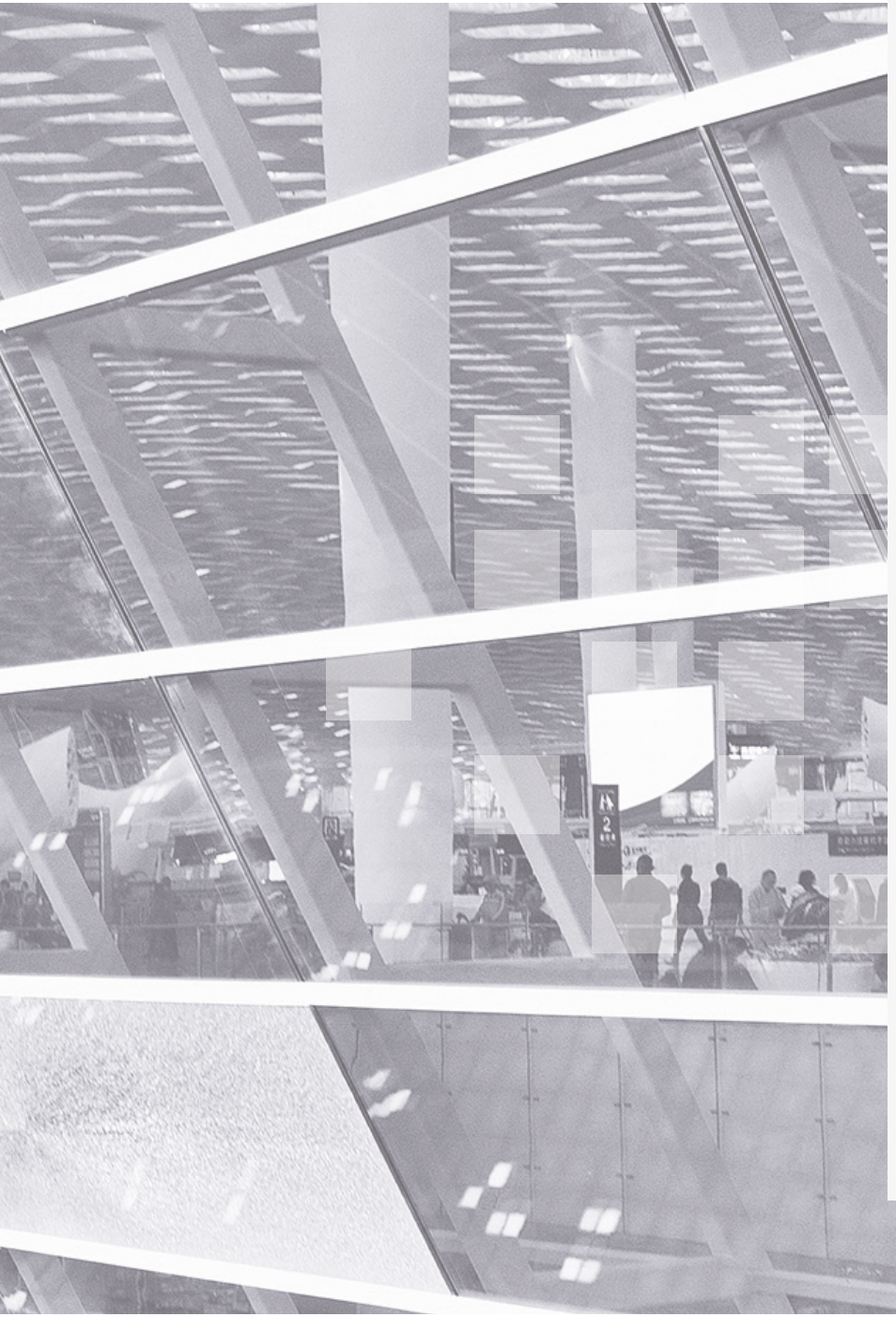
Developed from the “ground up” by Hochiki’s leading design team and using some of the most advanced technology available, L@titude is designed as one of the most powerful, intelligent and technically robust fire alarm products available.

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.

The modular nature of the L@titude system allows all field wiring to be connected to a passive mother board enabling addition, re-configuration or replacement of all electronic hardware without the need to disconnect any field wiring. This modularity also allows each panel to be customised with addressable loop detection circuits, conventional detection circuits, relay cards, additional sounder outputs or programmable I/O modules as required.

- Compliant with EN54-2, EN54-4
- 2 to 8 loop or 2 to 16 loop versions
- 500mA loop current
- 4 programmable sounder circuits each rated at 2.5 A
- 5.25 A or 10.25 A, power supply options
- 3 programmable inputs
- 5 programmable relay outputs
- Up to 512 programme Input/ Output via optional plug in and serially connected expansion cards
- Hard wired fire and fault routing inputs and outputs
- Modular electronics
- Over 4000 sub address points per panel
- Option to “invert” inputs and outputs
- Powerful, standard configuration templates
- Network up to 128 panels*
- Configurable via USB port to PC or memory stick
- 2 ancillary serial ports

*Please speak to your Hochiki Sales representative for more information surrounding current networking capabilities.



COMPANY OVERVIEW

Established in Japan in 1918, Hochiki is an independent, multi-national, publicly listed company with over 1700 employees across the globe. One of the world's leading manufacturers of commercial and industrial fire detection and emergency lighting solutions, Hochiki has acquired global acceptance as the benchmark for high-integrity and long-term reliability.

Hochiki's facilities in Japan, the United States of America and Europe design and manufacture products and provide technical support suited to local standards and customer requirements. Total commitment to meeting the needs of individual national markets has reinforced the company's global reputation, resulting in Hochiki products being installed in many prestigious sites and in over 80 countries worldwide.

STATISTICS TAKEN FROM THE HOCHIKI CUSTOMER SERVICE SURVEY DECEMBER 2016

91%

Respondents rated product quality as either 'very good' or 'excellent'

92%

Customers stated our market reputation is 'very good' or 'excellent'

88%

Customers are most likely to recommend our products

L@TITUDE DISPLAY

L@titude utilises a full colour, 7” 800 x 480 touch screen graphical display to provide a clear, simple and intuitive user interface. 80 character zone location and 80 character device messages allow a clear, concise description of each detection device location to be configured. Resistive touch screen technology permits control functions to be available, even when wearing protective gloves.

USER ACCESS

Access to the L@titude menu and control functions is provided by a unique 6 digit pass code or by the optional enable control key switch. Up to 64 individual login accounts can be configured with different profiles and access permissions.

POWERFUL, NETWORK WIDE CAUSES & EFFECTS

L@titude cause and effect capacity supports 5000 cause and effect entries, with up to 20000 inputs and controlling 20000 outputs across the network. The introduction of groups in L@titude allows rationalisation and simplification of the system configuration. Support for up to 5000 groups and up to 50000 devices is provided.

ZONE INDICATORS

Up to 144 zone indicators or 48 zone indicators plus panel printer are available. L@titude supports up to 2000 detector zones and zone indicators.

POWER SUPPLY OPTIONS

L@titude is available with two power supply options, each available in 230 V or 115 V mains voltages. 5.25 A (supports up to 26 Ah batteries) and 10.25 A (supports up to 45 Ah batteries). Note: The 4 slot enclosure houses 18 Ah batteries and the 8 slot enclosure houses 33 Ah batteries.

EXPANSION OPTIONS

L@titude input/ output cards can be fitted in spare slots within the panel. The family includes:

- 8 way conventional detection board
- 4 way sounder output board
- 8 way volt free relay contact board
- 16 channel programmable input/output board

BACKLIGHT CONTROL

The built in light sensor allows the display backlight to be configured to follow the ambient light levels or automatically dim after a period of inactivity.

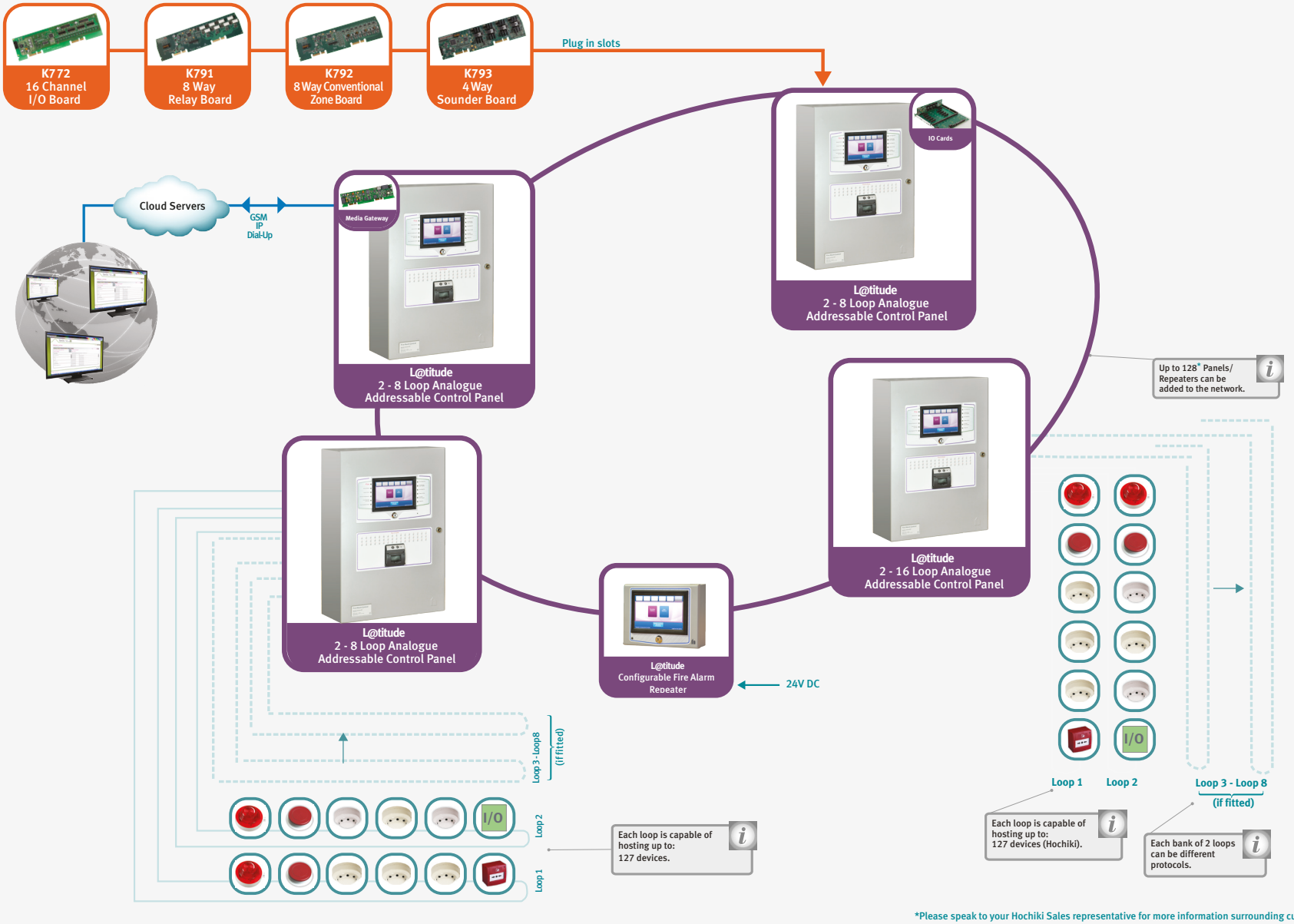
EVENT LOG

A 10000 entry event log records all system activity to 1 second resolution. The log is held in secure memory and is retained when power is removed from L@titude. Powerful filtering allows the log to be sorted by event type, between dates, by zone, by panel and by address. Using the Loop Explorer 2 configuration program, the event log can be downloaded and stored as a comma separated by values (csv) format.

PRINTER OPTION

A 40 character front loading thermal printer prints all events as they occur. The printer can also be used to print all/ selected event log entries.

HIGH INTEGRITY CONFIGURABLE NETWORK



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TECHNICAL INFO

2-8 LOOP (4 SLOT) ENCLOSURE

Size	-	420mm (W) x 570mm (H) x 130mm (D)
Construction	-	1.2mm mild sheet steel
Cable entry	-	28 knockouts top, 18 knockouts back, 1 knockout each side
Battery Capacity	-	Up to 26 Ah

2-16 LOOP (8 SLOT) ENCLOSURE

Size	-	560mm (W) x 700mm (H) x 150mm (D)
Construction	-	1.5mm mild sheet steel
Cable entry	-	50 knockouts top, 26 knockouts back, 1 knockout each side
Battery Capacity	-	Up to 33 Ah

ALL MODELS

Finish	-	Epoxy powder coated
Colour - Lid & Box	-	BS 00 A 05 fine texture
Power supply voltage	-	230 V ac or 115 V ac
Power supply rating at 24V DC	-	5.25 A (charges up to 26 Ah) or 10.25 A (charges up to 45 Ah)
Display	-	Full colour 800 x 480 LCD with resistive touch screen and automatic backlight dimming
Printer	-	40 column, front loading thermal (optional)
Zone LED indicators	-	Up to 3 banks of 48 (144) as standard
Software zones	-	2000
Software groups	-	5000
Event log	-	10,000 events, 1 second resolution. Filterable and printable.
Detection loops	-	2 to 16 added 2 at a time (K758 dual loop cards)
Detection loop current	-	500 milliamps each
Sounder circuits	-	4 each rated at 2.5 A, 24 V dc, programmable auxiliary 24 V supply 1

ALL MODELS

Auxiliary 24V supply 1	-	24 V dc fused at 500 milliamps
Auxiliary 24V supply 2	-	24 V dc fused at 500 milliamps
Default relays	-	Fault, Fire, Alarm, Programmable 1 and Programmable 2 (all re-programmable)
Programmable inputs	-	3, activated by volt free contacts
Auxiliary Serial port A	-	RS232 programmable
Auxiliary Serial port B	-	RS232 programmable
Ancillary I/O board serial port	-	RS485 programmable
Fire Routing (Ifam) serial port	-	RS485 programmable
USB host port	-	USB type A
USB device port	-	USB type B
Fire routing output	-	Monitored
Fire routing input	-	Monitored
Fault routing output	-	Monitored
Fault routing input	-	Monitored
Extinguisher output	-	Monitored
Extinguisher input	-	Monitored
Extinguisher fault input	-	Monitored

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