DS80AP.03.2014

Elite

Analogue Addressable 2 or 4 Loops Fire Control Panels

Features

- UL 864 9th Edition listed
- Multi-Loop 2 Analog Addressable Loops Field upgradable to 4
- 126 primary points per loop
- Powerful, network wide cause and effects (500 total). Fully user programmable by point or zone.
- 800 points per panel when using devices with sub-points
- Up to 10,000 ft. wiring length on SLC loop
- 64 Panels on a network
- Programmable through a PC connection to the panel, or through keypad
- Programmable relays – 5
- Supervised Powered Outputs – 3
- Programmable Notification Appliance Circuits: 4
- Power per NAC: 1.6 Amps Max
- Programmable outputs on SLC loop
- Programmable Function button on front display
- Fire Drill button on front display
- Day and night sensitivity settings (user programmable)
- Power Supply: 5.25 Amp, regulated & integrated
- LCD Display: 8x40
- Zonal Mode: Annunciation by zone w/o individual relationships
- Panel Ring Modes: Common, Zonal, Stage 2
- NAC Outputs programmable as Continuous, March, Temporal
- Program Cause and Effects AND, OR, or Any Two (Cross Zone)
- Battery size: Up to 17 Ah in standard enclosure; up to 52 Ah with external cabinet
- Access levels: 3
- Access key switch: Yes
- Recognized for use in High Rise
- One man walk test – Fire Test Mode
- Available with semi flush trim ring
- Available in Red or Grey

NOT SUITABLE FOR EU MARKETS

Product Overview

- The Elite analog addressable Fire Control Panel supports 2 or 4 SLC loops for a total of 500 primary points or 800 points using subpoints.
  SLC loop communications uses standard twisted pair cabling, shielded cable is not necessary.
- The panel may be configured with various communication cards; Communications options support central station monitoring, Virtual Panel, and networking.
- The Panel can be configured as a stand alone panel with just a few devices for a small building, it can also operate as the building system and can be part of a network with a total of 64 nodes serving a multiple building campus or a very large facility.
- Auto Learn capability provides a convenient method to troubleshoot new installations before final programming is loaded.

Panels

Product Code	Loops	Protocol	Printer	Colour	Size (mm)
K1460-10	2	Apollo	No	Red	369 x 613 x 127
K1460-40	2	Apollo	No	Grey	369 x 613 x 127
K1460-13	2	Apollo	Yes	Red	369 x 613 x 127
K1460-43	2	Apollo	Yes	Grey	369 x 613 x 127
K1480-10	4	Apollo	No	Red	369 x 613 x 127
K1480-40	4	Apollo	No	Grey	369 x 613 x 127
K1480-13	4	Apollo	Yes	Red	369 x 613 x 127
K1480-43	4	Apollo	Yes	Grey	369 x 613 x 127

Technical

Construction - 1.5mm mild sheet steel
Primary AC - 120VAC @ 2 Amps 60hz (Optional 240 VAC 50hz)
Output DC - 24VDC @ 4 Amps
Power Supply - 5.25 Amp regulated and integrated
Charger Current - 1.25 Amps max.
Weight - 11kg (without batteries)
Colour - Red (optional grey)
Display - 8 line x 40 character LCD (320 characters total)
Zones - 500 Zones per network
SLC loops - 2 or 4 (class A or B)
Devices per loop - 126 sensors & modules (800 addresses + sub-addresses max. per panel)
NAC Outputs - (4) 1.6 Amp @ 24VDC (class B)
Relay Outputs - (5) Form C 1 Amp @ 30VDC
Voltage Outputs - (3) 500mA @ 24VDC, reverse polarity supervised
Aux. Power - 500mA @ 24VDC
Aux. Inputs - (3) digital pull downs

DS81AP.03.2014

Elite RS

Analogue Addressable 1 or 2 Loops Fire Control Panels

Features

- One full SLC circuit expandable to two
- 3 programmable relays
- 5.25A power supply
- Large graphic display
- Real time clock
- Compatible with eMATRIX graphics annunciator
- Powerful, network wide cause and effects (500 total). Fully user programmable by point or zone.
- Can be networked with additional RS and/ or Elite control panels
- Compatible with eVIEW Annunciator
- Programmable through a PC connection to the panel
- Same look and feel as Elite range
- Stores 1000 last events in history log
- Model ranges include with or without a Dual-Line internal DACT
- Compact, stylish enclosure
- Available in Red or Grey
- 2 Programmable NAC circuits with internal synchronization support.

NOT SUITABLE FOR EU MARKETS

Product Overview

- Elite RS is a versatile range of open protocol fire alarm control panels compatible with existing Elite fire alarm panel technology.
- Available with one or two detection loops for a total of 250 primary points or 400 points using subpoints. Elite RS uses leading edge microprocessor based electronics to provide a flexible control system with high reliability and integrity.
- Suitable for all small to medium sized fire detection systems,Elite RS control panels can be expanded and networked to become part of much larger systems if the need arises, therefore providing a future proof solution for any installation.
- With its large graphical display and ergonomic button and indicator layout, the Elite RS control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.

Panels

Product Code	Loops	Protocol	Colour	Size (mm)
K0850-10	1	Apollo	Red	369 x 481 x 110
K0850-40	1	Apollo	Grey	369 x 481 x 110
K0860-10	2	Apollo	Red	369 x 481 x 110
K0860-40	2	Apollo	Grey	369 x 481 x 110

Technical

Construction	-	1.5mm mild sheet steel
Weight (without batteries)	-	9kg
Finish (lid & box)	-	RAL3002 (Red) or BS 00 A 05 (Grey)
Finish (product labels)	-	BS 00 A 05 (Grey)
Mains voltage supply	-	110 or 230V AC 50 or 60 Hz. (specify when ordering, default is 110V)
Mains supply fuse	-	1.6A 250V
Power supply DC rating	-	24V 5.25 Amps
Aux 24V supply	-	Fused at 500 milliamps
Battery (24 hour standby)	-	9Ah 12V (2 per panel) (non-networked)
Fault contact rating	-	30V DC 1 Amp
Fire contact rating	-	30V DC 1 Amp
Alarm contact rating	-	30V DC 1 Amp
NAC output rating	-	3.1V across both channels, 2.3V across any one
Detection loop	-	250 milliamp output
Printer port	-	Serial RS232
Serial expansion port	-	Serial RS485
PC port	-	Serial RS232
Network connection	-	Optional network Cards allow the use of e-Net networking
NAC Synchronization	-	Internal Support
NAC Protocols	-	System Sensor, Wheelock, Gentex, Amseco

DS82AP.03.2014

eView

Analogue Addressable Serial Annunciator

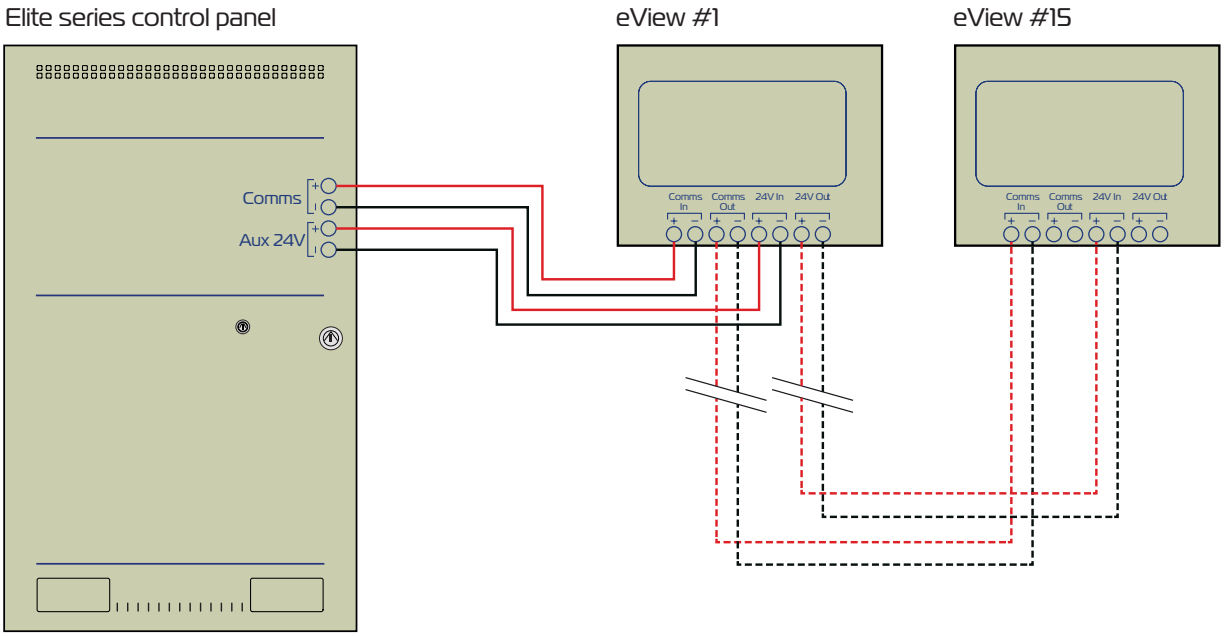
Features

- Available in Red or Grey
- Up to 15 annunciators can be connected to each Elite or Elite RS fire control panel
- Large liquid crystal display (240 x 64 pixels)
- High brightness LED indications
- Internal sounder
- Replicates all panel controls (Elite)
- Simple, two-wire serial connection
- Small, Elite style enclosure
- Removable electronics for easy installation
- 24V DC powered
- Low power consumption
- Multi language options
- Connection supervised by Elite fire control panel

Product Overview

- Designed and manufactured to the highest standards in a quality controlled environment the eVIEW fire alarm annunciator provides a simple and convenient method of extending the controls and indications of the Elite fire alarm control panel to other locations.
- The large, graphic liquid crystal display and high brightness LED indicators duplicate the indications on the Elite fire alarm control panel at up to 15 additional locations via a simple, two-wire serial data connection.
- The eVIEW is powered by 24V DC (which can be via an additional 2 conductors from the control panel or local 24V DC listed supply).
- eVIEW is housed in a small enclosure which is styled similarly to the Elite control panel and is ideal for installations where a large control panel would be detrimental to décor such as entrance halls.
- Up to 15 eVIEW annunciators can be connected to each control panel on the Elite network making eVIEW ideal where multiple points of indication and/or control are required such as nurses stations or shop units.

NOT SUITABLE FOR EU MARKETS



Panels

Product Code	Description	Size (mm)
K1172-10	eView Repeater Panel - Red	263 x 191 x 42
K1172-40	eView Repeater Panel - Grey	263 x 191 x 42

Technical

Construction	-	1.2mm mild sheet steel
Cable entry	-	4 knockouts in back of box and 1 in left and right sides
Weight	-	1.6kg
Finish	-	RAL3002 (Red) or BS 00 A 05 (Grey)
24V supply	-	21 to 30V DC
Maximum ripple current	-	200 millivolts
Quiescent current of panel in mains fail	-	0.03 Amps
Serial data connection	-	2 core RS485 (Up to 1200 metres total cable length)
Maximum terminal capacity	-	12AWG

Semi Flushing Collar

The eView semi flushing collar allows the eVIEW annunciator to easily be recess mounted. Flushing collars provides placement tabs that fold behind dry wall. Traditional screw mounting is available by 2 openings in each of the vertical frames. Conduit entry is not blocked by collar.

Flushing Collar Technical

Part number	-	K1173
Outer Dimensions	-	288mm W x 220mm H x 34mm D
Inner Dimensions	-	263mm W x 191mm H
Colour	-	Available in Red (K1173-10) or Grey (K1173-40)

DS83AP.03.2014

eMatrix

Configurable Floor Plan Mimic Annunciator

Features

- Available in Red or Grey
- Up to 504 LED's can be controlled from any Elite panel
- Select up to 12 printed colours (not including background and building outline)
- Available in a range of standard enclosures to suit any applications
- Custom sized units can be made upon request
- Choice of Red, Green or Yellow LED's
- eMATRIX can easily be upgraded on site with minimal cost and effort
- UL 864 9th edition listed

Product Overview

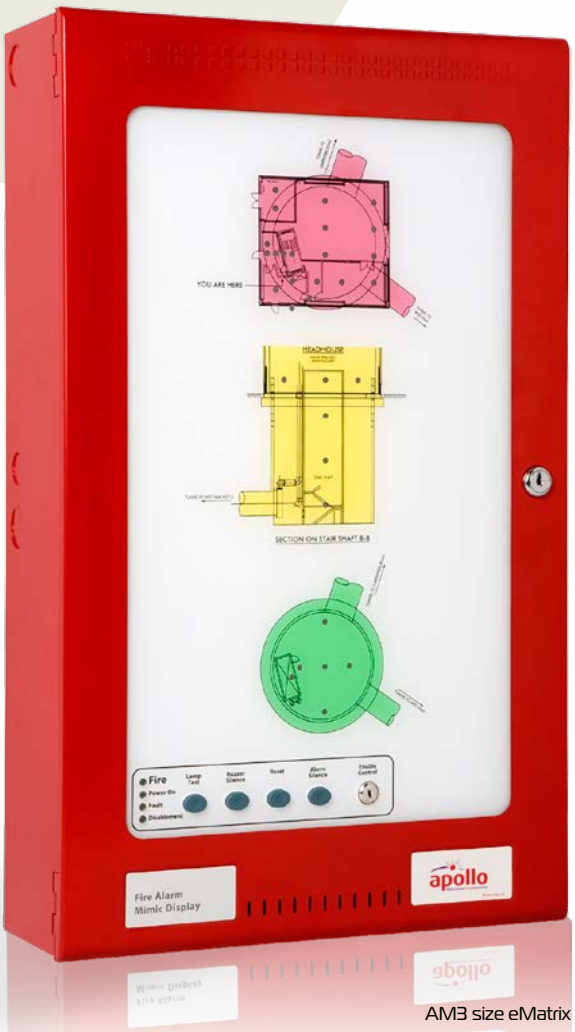
- The eMATRIX system uses flexible, optic light guides to illuminate areas on a floor plan, laid over a high resolution grid. This unique system dispenses completely with wiring and enables indicators to be moved, removed or added on site without the need for any wiring.
- All indicators can be configured to operate upon any event type and at point, zone or group level via the powerful and intuitive Loop Explorer configuration or ESP Discovery. eMATRIX can be supplied with or without LEDs and controls. Optional LEDs indicate Power on, Fire, Trouble and Disablement and optional controls are for Alarm silence, Buzzer silence, Lamp test and Reset.
- Housed in attractive, slimline enclosures to match Elite fire alarm panels and with high quality, full colour or floor plans, eMATRIX provides a clear, geographical indication of fire alarm activation enabling speedy identification of the source of an alarm.

View showing mimic mounted on inner door

View showing LED grid

View showing internal layout

NOT SUITABLE FOR EU MARKETS



AM3 size eMatrix

UL/ FM Approved Panels

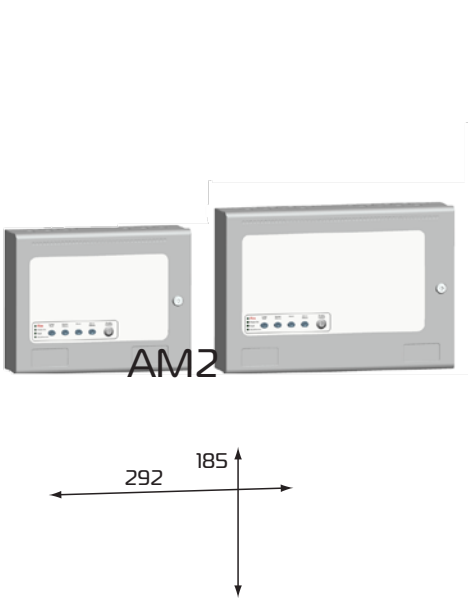
Panels

No. LED's	Standby Current	Full Alarm Current	Batteries for 24 hours	Batteries for 48 hours
40	0.026	0.09	0.88Ah	1.76Ah
72	0.052	0.18	1.75Ah	3.5Ah
88	0.078	0.36	2.8Ah	5.2Ah

Enclosure Size Options

Max. number of LED's = 40

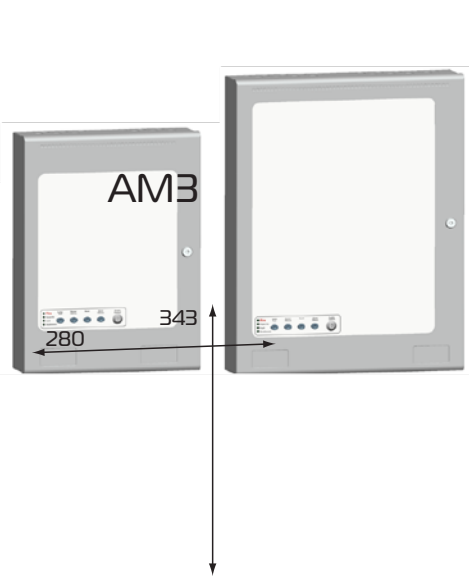
Will house 1 x 8 Red LED driver PCB and 3 x 16 LED extension PCB's (Red, Green or Yellow)



369mm Wide x 310mm High x 90mm Deep

Max. number of LED's = 72

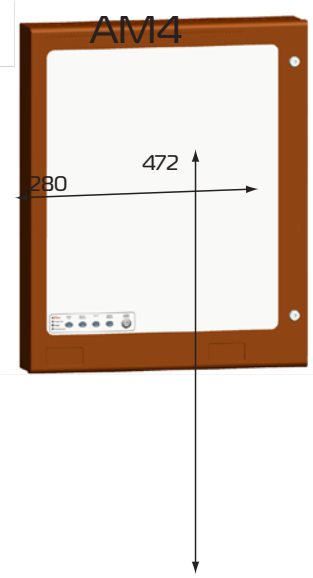
Will house 1 x 8 Red LED driver PCB and 4 x 16 LED extension PCB's (Red, Green or Yellow)



369mm Wide x 480mm High x 110mm Deep

Max. number of LED's = 88

Will house 1 x 8 Red LED driver PCB and 5 x 16 LED extension PCB's (Red, Green or Yellow)



369mm Wide x 610mm High x 127mm Deep

Technical

Construction	-	1.5mm mild steel
Finish	-	epoxy powder coat
Mimic	-	3mm Clear Anti-Glare Acrylic
Supply voltage	-	21 to 30V DC
Supply current	-	See above
Terminal capacity	-	22 AWG to 12 AWG solid or stranded wire
Enclosure Size & mimic area	-	see 'Enclosure Size Options'
Cabinet locks	-	CAT30 key
Communications interface	-	RS485 – Elite serial I/O bus protocol
Maximum distance from control panel	-	4000 feet using RS485 data cable
IP rating	-	IP30
Operating temperature	-	-5˚C to 50˚C
Number of indicators (standard models)	-	AM2 size - up to 40 LED's, AM3 size - up to 72 LED's, AM4 size - up to 88 LED's

DS84AP.03.2014

eNet | Elite Networking

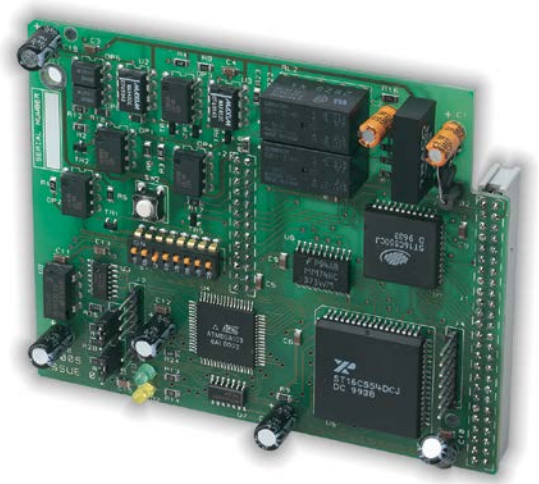
Features

- Up to 64 nodes
- High integrity protocol when wired Class A
- Fully secure against short or open circuit faults
- Simple 2-wire loop connection
- Supports open ended networks for retrofit applications
- Network wide test and disablement functions
- Network wide cause and effect logic
- Flexible configuration options
- Panels configurable to act on network events or not as required

Product Overview

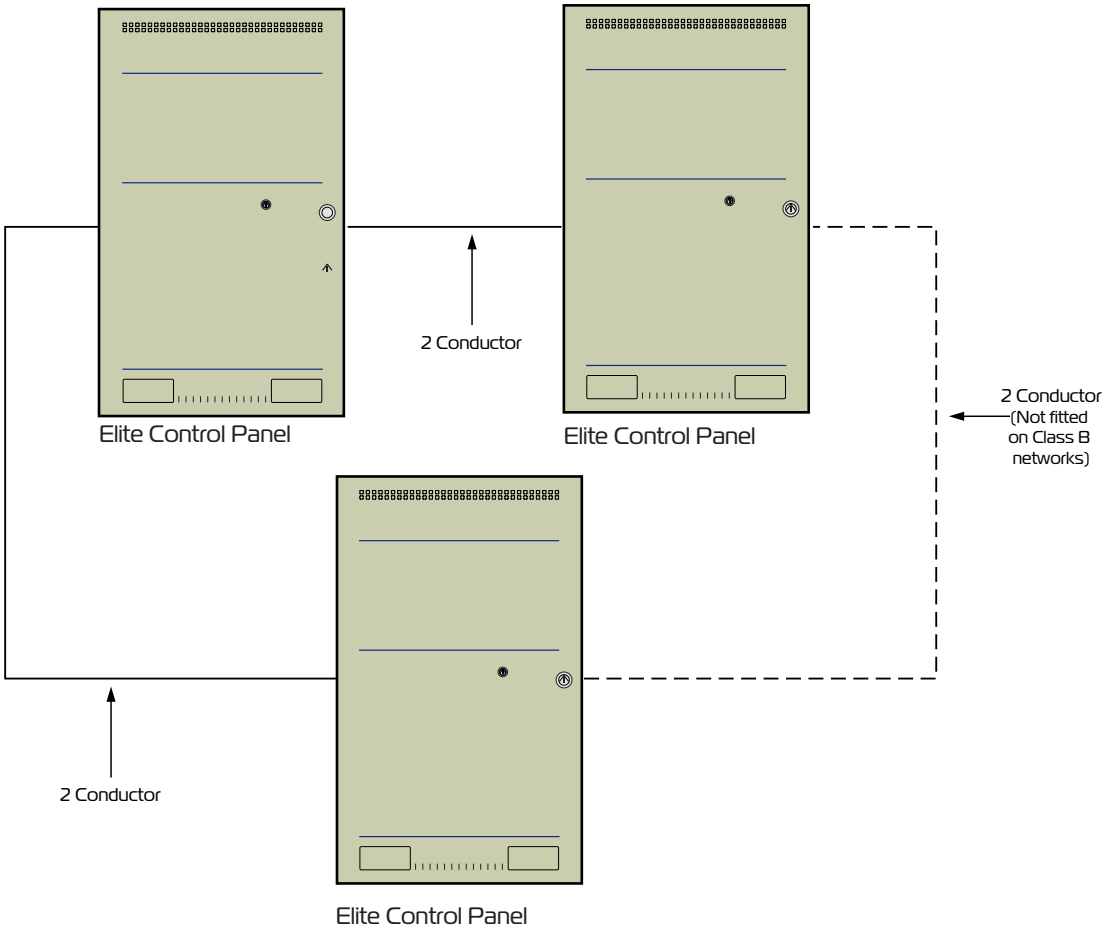
- The flexibility of the Elite system can be further enhanced by connecting control panels and repeaters together using a high integrity network.
- A simple 2-wire connection between each panel allows events to be transmitted to other parts of the system to provide indication or control on a system wide basis.
- Using the Loop Explorer configuration software, up to 64 nodes can be programmed to respond in a variety of ways to any system events as required.
- This flexibility extends the comprehensive cause and effect programming capability of Elite control panels to the entire network allowing actions, test modes or disablements to be started from any point.
- The fault tolerance of the network is such that any single open or short circuit fault will not result in any loss of information. Multiple faults are isolated and the network breaks into smaller networks which continue to work autonomously.

NOT SUITABLE FOR EU MARKETS



Part No. K1170-00

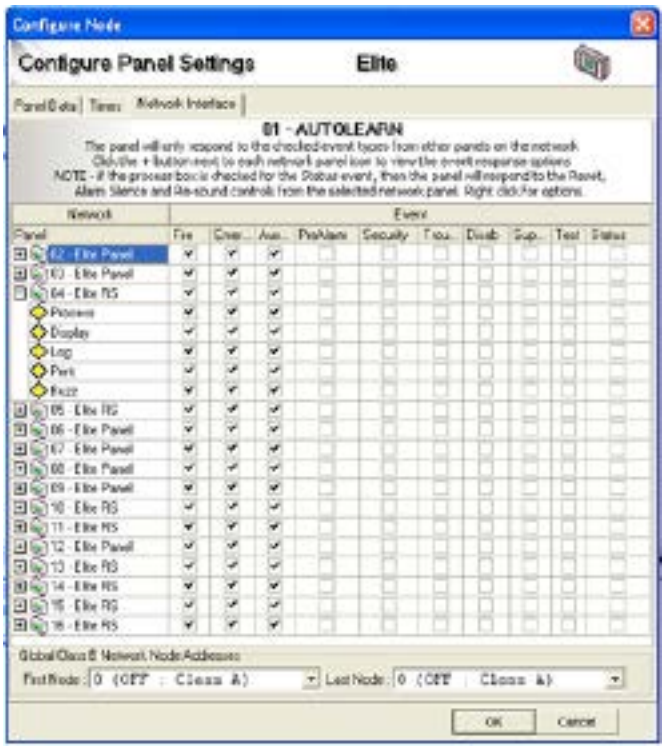
Two conductor loop wiring ensures network integrity by providing full isolation of faulty wiring segments.



Technical

Product Code	-	K1170-00
Protocol	-	RS485
Connection	-	Two wire loop
Current Consumption	-	40mA
Integrity	-	Full isolation of faulty nodes or wiring segments
Indicators	-	Data In and Data Out communications status
Cable length	-	3900ft to adjacent nodes (subject to cable type)
Cable type	-	Belden 9271, Belden 9860, FP200 Gold
Compatible panels	-	Elite/ Elite RS (required for networking)

Flexible network configuration options using simple to follow PC configuration software



UL/ FM Approved Panels

DS78AP.04.2014

Sigma A-CP | Conventional Control Panel

Features

- UL864 approved
- Two, four or eight initiating circuits
- Initiating circuits individually configurable as Fire, Water flow or Supervisory
- Two 2A notification appliance circuits
- Selectable NAC sync protocols
- Two 2.0A notification appliance circuits
- 6.5A power supply
- Alarm verification selectable by zone
- Resettable Aux power output rated at 0.3A
- Aux power configurable to power off on Fire condition
- Fire, Trouble and Supervisory relays
- Single person walk test function
- Optional DACT
- Many advanced configuration options
- 72 hour standby with 7Ah batteries
- Compact enclosure
- Fire Drill capability

Product Overview

- The Sigma A-CP range of conventional fire control panels with optional built in communicator are available with 2, 4 or 8 initiating circuits which may be extensively configured via a simple front panel operated programming method.
- The low standby power requirements and cost effective small batteries allow the panel to be mounted in a small discrete enclosure which is available in standard red or optionally in an attractive grey colour.
- A simple programming method using just 3 front panel buttons allows an extensive list of configuration options to be set and reviewed.
- Single board construction which allows easy removal of all electronic parts by removing just 2 screws and ample provision of cable entry knockouts simplify installation.
- 4 Amp notification appliance power and built in selectable sync protocols provide ample power and control for a wide range of standard notification appliances.
- The built in RS485 communications bus provides the facility to connect 4 wire annunciators or ancillary relay boards to provide further indication and control options throughout a premises.
- The optional DACT allows dual line reporting to central stations and provides a 500 event history buffer.

NOT SUITABLE FOR EU MARKETS

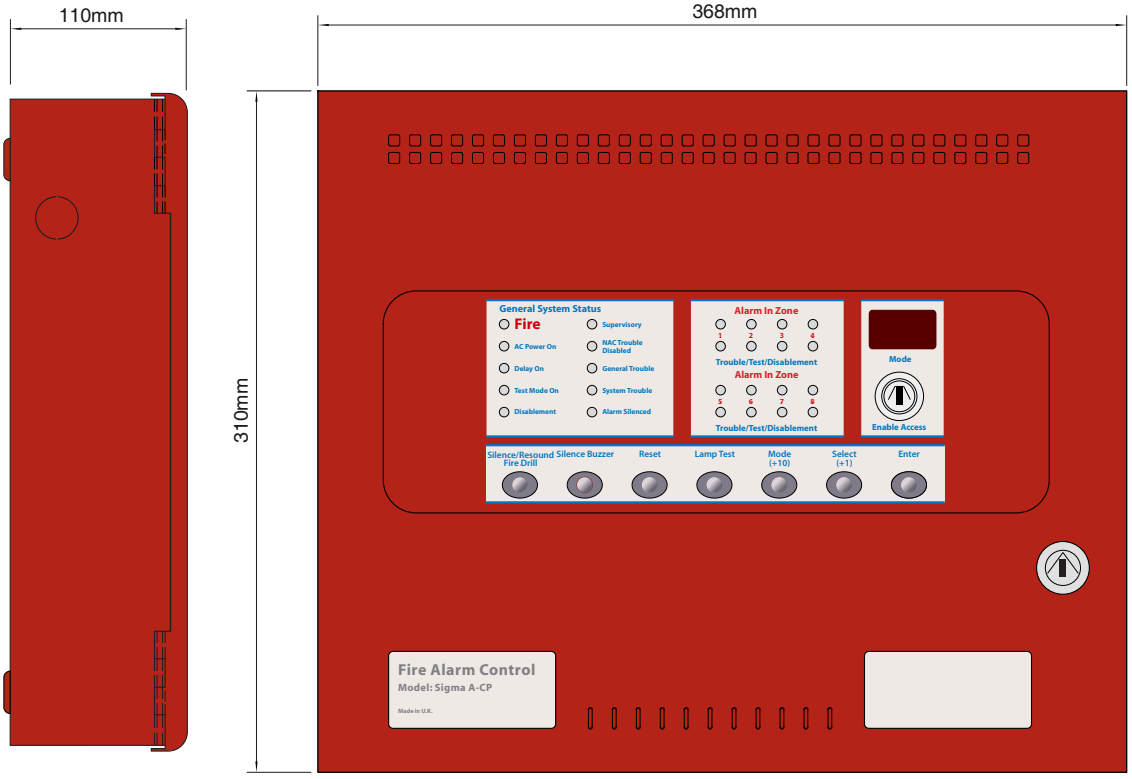
Model No. K1848-11

Technical

Construction	-	1.2mm mild sheet steel
IP Rating	-	IP30
Finish	-	Epoxy powder coated
Colour - lid & box	-	Red RAL 3002 (optional grey BS 00 A 05 semi-matt)
Supply Voltage	-	115V AC or 230V AC
Mains Supply fuse	-	3 Amp 250V 20mm SB
Power supply DC rating	-	24V 6.5 Amps
Maximum battery size	-	12Ah 12V (2 per panel)
Trouble contact rating	-	30V DC 1 Amp
Supervisory contact rating	-	30V DC 1 Amp
Fire contact rating	-	30V DC 1 Amp
NAC rating	-	2A per circuit 4A Total
Detection zone current	-	1.6 milliamps
Detection zone EOL resistor	-	6k8 5%
NAC EOL resistor	-	10k 5%
Cable capacity	-	12 AWG
Operating temperature	-	-5˚C to 50˚C
Operating humidity	-	<95% (non condensing)

Panels

Product Code	Zones	Dialer	Colour	Size (mm)
K1842-11	2	No	Red	368 x 310 x 110
K1842-41	2	No	Grey	368 x 310 x 110
K1852-11	2	Yes	Red	368 x 310 x 110
K1852-41	2	Yes	Grey	368 x 310 x 110
K1844-11	4	No	Red	368 x 310 x 110
K1844-41	4	No	Grey	368 x 310 x 110
K1854-11	4	Yes	Red	368 x 310 x 110
K1854-41	4	Yes	Grey	368 x 310 x 110
K1848-11	8	No	Red	368 x 310 x 110
K1848-41	8	No	Grey	368 x 310 x 110
K1858-11	8	Yes	Red	368 x 310 x 110
K1858-41	8	Yes	Grey	368 x 310 x 110



UL/ FM Approved Panels

DS72AP.06.2014

Sigma A-XT | Extinguishant Control Panel

Features

- UL864 and FM listed
- Three initiation circuits as standard
- Any single zone or any combinations of zones can be configured to release
- Configurable first stage NAC delays
- Configurable detection delays
- Zero time delay upon manual release option
- Compatible with I.S. barriers
- Non-latching zone input option to receive signals from other systems such as aspirating equipment
- Configurable releasing delays up to 60 seconds in 5 second steps
- Configurable releasing duration up to 5 minutes in 5 second steps
- Countdown timer shows time remaining until release
- Supports up to seven, four wire status indicators
- Built in Extract Fan control

Programmable Functions

Access Level 2

- Test Zones 1 to 3
- Disable Zones 1 to 3
- Disable 1st Stage Alarms
- Disable Pre-activated 1st Stage Relay
- Disable Pre-activated 2nd Stage Relay
- Disable Extract Fan Output
- Disable Manual Release Input
- Disable Releasing Sub System
- Activate Extract Fan Output
- Activate Alarm Delays

Access Level 3

- Sounder Delay
- Coincidence Detection
- Disable Panel Features
- Zone Alarm Delays (Detectors)
- Zone Alarm Delay (Call stations)
- Configure Zone for I.S Barrier Use
- Zone Short Circuit Alarm
- Zone Non Latching
- Zone Inputs Delay
- Extinguishant Release Time Delay
- Extinguishant Release Duration Timer
- Extinguishant Reset Delay Timer

NOT SUITABLE FOR EU MARKETS

Product Overview

- Designed and manufactured to the highest standards in a quality controlled environment and with UL and FM approvals, the Sigma A-XT releasing panel offers outstanding value and performance for all small to medium fixed firefighting installations.
- With three initiation circuits as standard, release can be configured to activate from any combination of detection zone inputs to allow (among other combinations) any two from three type activations such as would be required for detection in ceiling void, room and floor void applications.
- The extensive configuration options of the Sigma A-XT allow the functionality of the system to be extensively modified.
- The panel contains a large LED display to enable easy configuration and control which also displays the time remaining until release for added user safety.
- The countdown timer is duplicated on up to seven remote status units to provide local indication of the system status.
- With all of the electronics mounted on a single, easily removable, steel plate Sigma A-XT panels are both robust and easy to install.
- Sigma A-XT is supplied in an enclosure that matches the design and colour of the Elite RS range and is available in standard red or optional grey.

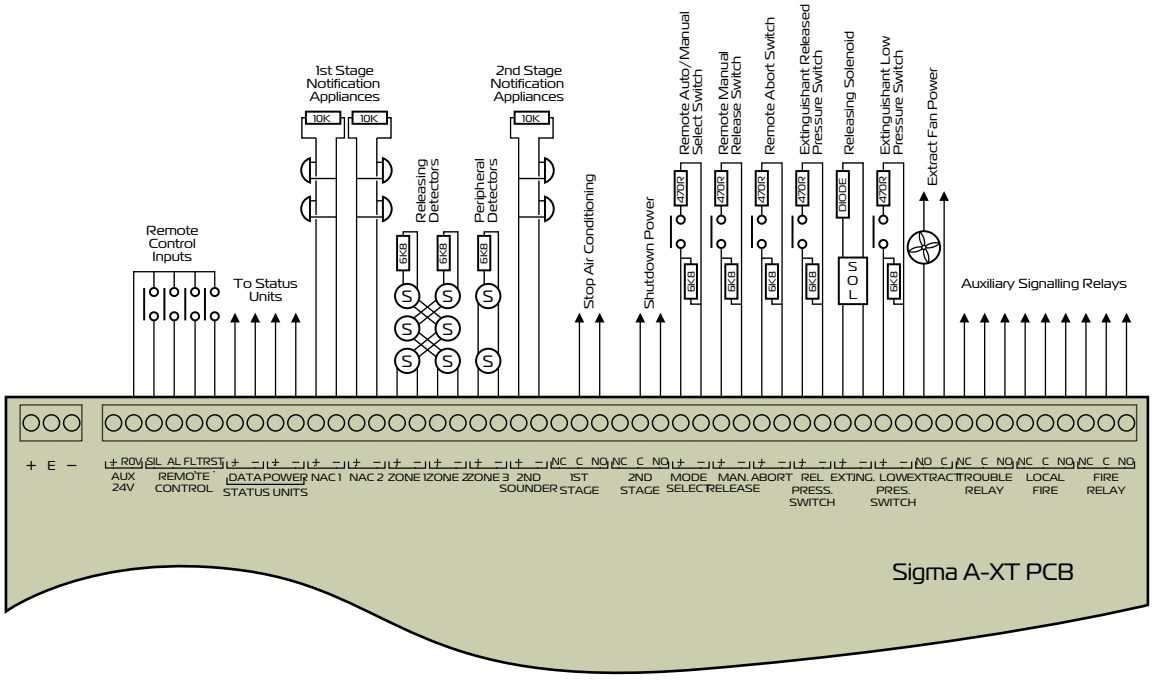
Model No. K1810-12

Technical

Construction	-	1.2mm mild sheet steel
IP Rating	-	IP30
Finish	-	Epoxy powder coated
Colour - lid & box	-	Red RAL 3002 (optional grey BS 00 A 05 semi-matt)
Mains supply	-	230V AC or 115V AC
Mains supply fuse	-	1.6 Amp (F1.6A L250V)
Power supply rating	-	3 Amps total including battery charge 28V +/- 2V
Maximum ripple current	-	200 millivolts
Battery type (Yuasa NP)	-	Two 12 Volt 7Ah sealed lead acid in series
Battery charge voltage	-	27.6VDC nominal (temperature compensated)
Battery charge current	-	0.7A maximum
Battery fuse	-	20mm, 3.15A glass
Maximum current draw from batteries	-	3 Amps
Quiescent current of panel in mains fail	-	0.095A
ROV output	-	Fused at 500mA with electronic fuse
Sounder outputs	-	24V Fused at 500mA with electronic fuse
Fault relay contact rating	-	30VDC 1A Amp maximum
Fire relay contact rating	-	30VDC 1A Amp maximum
Local fire relay contact rating	-	30VDC 1A Amp maximum
First stage contact rating	-	30VDC 1A Amp maximum
Second stage contact rating	-	30VDC 1A Amp maximum
Extract contact rating	-	30VDC 1A Amp maximum
Zone quiescent current	-	2mA maximum
Terminal capacity	-	12 AWG
Number of detectors per zone	-	Dependent on type (maximum 32)
NAC rating	-	0.5A per circuit
Detection circuit end of line	-	6K8 5% ½ Watt resistor
Monitored input end of line	-	6K8 5% ½ Watt resistor
Sounder circuit end of line	-	10K 5% ¼ Watt resistor
Extinguishant output EOL	-	1N4004 Diode
No. of initiating circuits	-	3
No. of NAC circuits	-	2 x 1st Stage, 1 x 2nd Stage
Extinguishant release output	-	Fused at 1 Amp
Extinguishant release delay	-	Adjustable 0 to 60 seconds (in 5 second steps)
Extinguishant release duration	-	Adjustable 60 to 300 seconds (in 5 second steps)
SIL, AL, FLT, RST inputs	-	Switched -ve, max resistance 100 Ohms
Zone normal threshold	-	8K ohms to 1K ohm
Detector alarm threshold	-	999 ohms to 400 ohms
Call point alarm threshold	-	399 ohms to 100 ohms
Short circuit threshold	-	99 ohms to 0 ohms
Monitored inputs normal threshold	-	8K ohms to 1K ohm
Monitored inputs alarm threshold	-	999 ohms to 100 ohms
Monitored inputs Short circuit threshold	-	99 ohms to 0 ohms
Status unit/Ancillary board connection	-	Two wire RS485 connection
Status unit power output	-	Fused at 500mA with electronic fuse

Panels

Product Code	Description	Size (mm)
K1810-12	Surface mounting panel - Red 115V	368 x 310 x 90
K1810-44	Surface mounting panel - Grey 115V	368 x 310 x 90
K1810-13	Surface mounting panel - Red 230V	368 x 310 x 90
K1810-43	Surface mounting panel - Grey 230V	368 x 310 x 90



UL/ FM Approved Panels

DS73AP.06.2014

Sigma A-Si & Abort Switch | Extinguishant Status Indicators

Sigma A-Si Features

- UL864 and FM listed
- High brightness LEDs
- Detailed indication of the status of the control panel
- Supervised data connection
- Countdown timer shows time remaining until release
- Manual only and Automatic & Manual mode select keyswitch option
- Four wire connection (data and power)
- Protected dual action manual release switch option
- Option for zonal fire and trouble indication with buzzer
- Robust, high quality enclosure
- Easy access to terminals
- Remote Auto/Manual door interlock input (supervised)
- Remote Abort input (supervised)
- Internal trouble diagnosis indicators

Disablement Switch Features

- Key removable in either position
- Both sides of solenoid circuit are mechanically disabled during activation
- Disablement illuminated at panel when active

Sigma A-Si Product Overview

- The Sigma A-Si range of status indicators provide detailed status information for Sigma A-XT releasing control equipment.
- All models provide high brightness, LED indication of Manual Only, Automatic and Manual, Abort operated, Disabled, Imminent and Released conditions. Models are also available with zonal fire indicators and a common trouble indicator.
- For systems where local control of the Automatic/Manual mode and or a Manual extinguishant release control are required, units are available with these controls fitted.
- All models have supervised inputs for the remote connection of Automatic/ Manual mode and abort switches.
- All units contain a large, LED display which shows a countdown of the time remaining until release in seconds.

Abort Switch Product Overview

- The Sigma A-XT Abort switch connects to the Abort terminals of the Sigma A-XT releasing panel. Any number of Sigma A-XT Abort switches may be connected to the circuit.
- The last switch must have the end of line device from the Abort circuit terminals of the Sigma A-XT releasing panel fitted across its connections to provide open and short circuit supervision.
- The unit is supplied mounted to a rugged steel enclosure but may also be flush mounted to a single gang electrical box.

Part No. K1832-10

Model No. K1823-10

Model No. K1821-19

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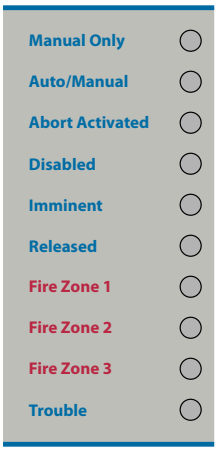
Model No. K1821-11


Model No. K1821-15


Model No. K1821-13


Model No. K1821-17



Equipment

Product Code	Description	Size (mm)
K1821-11	6 lamp status unit surface mount - red	186 x 132 x 50
K1821-41	6 lamp status unit surface mount - grey	186 x 132 x 50
K1821-12	6 lamp status unit flush mount - red	186 x 132 x 55
K1821-42	6 lamp status unit flush mount - grey	186 x 132 x 55
K1821-13	6 lamp status unit with mode select keyswitch surface mount - red	186 x 132 x 50
K1821-43	6 lamp status unit with mode select keyswitch surface mount - grey	186 x 132 x 50
K1821-14	6 lamp status unit with mode select keyswitch flush mount - red	186 x 132 x 55
K1821-44	6 lamp status unit with mode select keyswitch flush mount - grey	186 x 132 x 55
K1821-15*	6 lamp status unit with manual release surface mount - red	186 x 132 x 50
K1821-45*	6 lamp status unit with manual release surface mount - grey	186 x 132 x 50
K1821-16*	6 lamp status unit with manual release flush mount - red	186 x 132 x 55
K1821-46*	6 lamp status unit with manual release flush mount - grey	186 x 132 x 55
K1821-17*	6 lamp status unit with mode select keyswitch & manual release surface mount - red	186 x 132 x 50
K1821-47*	6 lamp status unit with mode select keyswitch & manual release surface mount - grey	186 x 132 x 50
K1821-18*	6 lamp status unit with mode select keyswitch & manual release flush mount - red	186 x 132 x 55
K1821-48*	6 lamp status unit with mode select keyswitch & manual release flush mount - grey	186 x 132 x 55
K1821-19*	10 lamp status unit with mode select keyswitch & manual release surface mount - red	186 x 132 x 50
K1821-49*	10 lamp status unit with mode select keyswitch & manual release surface mount - grey	186 x 132 x 50
K1821-20*	10 lamp status unit with mode select keyswitch & manual release flush mount - red	186 x 132 x 55
K1821-50*	10 lamp status unit with mode select keyswitch & manual release flush mount - grey	186 x 132 x 55
K1823-10	Elite Extinguishing Abort switch surface mount - red	98 x 98 x 59
K1823-40	Elite Extinguishing Abort switch surface mount - grey	98 x 98 x 59
K1832-10	Elite Disablement switch surface mount - red	98 x 98 x 59
K1832-40	Elite Disablement switch surface mount - grey	98 x 98 x 59

* Not UL/FM Listed

Sigma A-Si
Technical

Construction	-	1.2mm mild sheet steel
IP Rating	-	IP30
Colour - lid & box	-	Red (optional grey)
Power supply	-	21 to 30 V DC
Maximum current draw	-	0.07A
Max. number of status units	-	7
Quiescent current	-	0.033A
Cable capacity	-	2.5mm² per terminal
Monitored inputs end of line resistor	-	6K8 0.5W Resistor
Monitored inputs normal threshold	-	8K ohm to 1K ohm
Monitored inputs trigger threshold	-	700 ohms to 100 ohms
Monitored inputs Short circuit threshold	-	99 ohms to 0 ohms
Data connection	-	Two wire RS485 connection (max 1200 metres)

Abort Switch
Technical

Construction	-	1.2mm mild sheet steel
IP Rating	-	IP30
Colour	-	Red (optional grey)
Switch rating	-	1A at 30V DC
Trigger resist	-	470R 1W
End of line resistor	-	6K8 1/2 W

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Sigma A-Si Ancillary PCB

Extinguishant Ancillary PCB

Features

- UL864 and FM listed
- Two wire serial connection
- Up to 7 per system
- Volt free relay outputs for fire and releasing system status
- Relay operated LED indicators

Product Overview

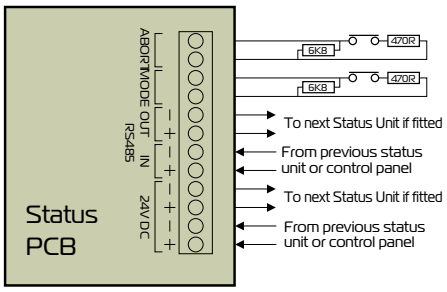
- The Sigma A-XT Ancillary Board is compatible with all Sigma A-XT control panels.
- The board provides volt free normally open contacts allowing control of sub-systems and plant remotely from the main panel over a two wire data bus.
- Ancillary boards require only a two core data cable from the main control panel and a two core power cable from the main panel.
- Up to 7 Ancillary boards can be connected to a control panel and each is allocated an address from 1 to 7 using a binary coded DIL switch. The total length of the data cable from the main panel to the last repeater must not exceed 4000 feet.
- A mixture of status units and Ancillary boards, up to a maximum of 7 of each type, can be connected to the serial data bus.

Equipment

Product Code	Description	Size (mm)
K1822-00	Sigma A-XT Ancillary Board	155 x 136
K1822-10	Sigma A-XT Ancillary Board with cabinet - red	385 x 310 x 90
K1822-40	Sigma A-XT Ancillary Board with cabinet - grey	385 x 310 x 90

Technical

Construction (Boxed)	-	1.2mm mild sheet steel
IP Rating (Boxed)	-	IP30
Colour - lid & box	-	Red (optional grey)
Supply voltage	-	20-30V DC
Contact ratings	-	30V DC 1 Amp
Cable capacity	-	2.5mm² per terminal
Operating temperature	-	-5˚C to +50˚C
Operating humidity	-	<95% (non condensing)



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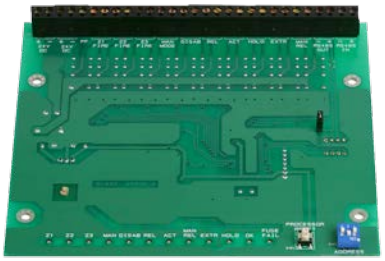
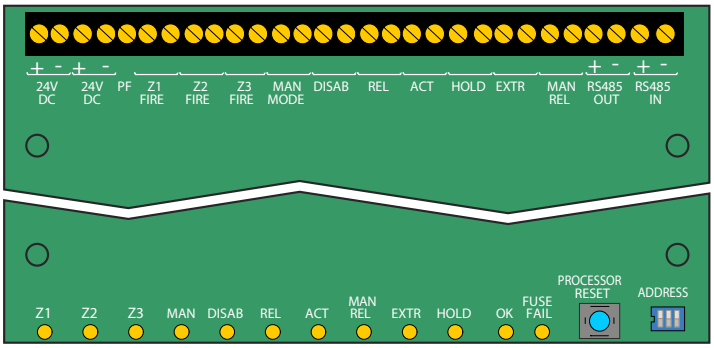


Model No. K1822



Example System Schematic