

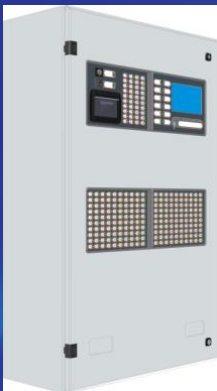
ENVISION 2-8 LOOP NETWORKABLE ANALOGUE ADDRESSABLE FIRE PANELS

Context
Plus

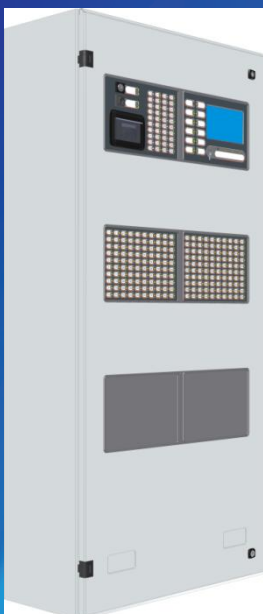
PICTURE a fire panel that is touchscreen-controlled, a breeze to install, provides clear and constant feedback on all aspects of fire alarm system activity and is fully compliant with EN54 parts 2, 4 & 13. Picture ENVISION - a powerful, intuitive and feature-rich range of 2 to 8 loop analogue addressable fire panels from Context Plus.



2 TO 4 LOOP PANEL
(STANDARD CABINET)



2, 4, 6, 8 LOOP PANEL
(MEDIUM CABINET)



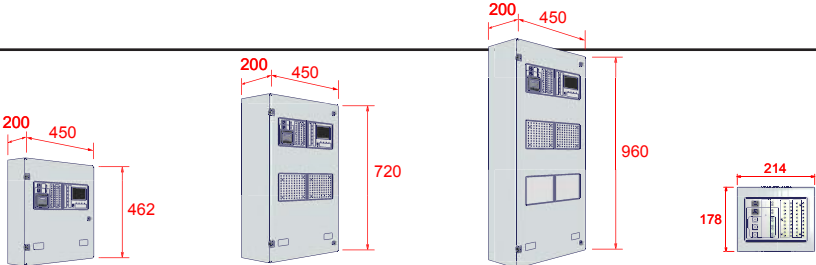
2, 4, 6, 8 LOOP PANEL
(LARGE CABINET)

Preliminary Features

- ▶ Designed to comply with the latest versions of EN54 parts 2, 4 and 13
- ▶ Communication protocol - Apollo XP95/Discovery
- ▶ Three cabinet sizes - standard (2 or 4 loops), medium (2, 4, 6 or 8 loops) and large (2, 4, 6 or 8 loops)
- ▶ 3A or 5A full EN54-4/A2 PSU and battery charger included
- ▶ Onboard mini-USB connection to connect a PC running programming software
- ▶ Two RS 232 ports - one dedicated to a 40 column thermal printer (optional), one for ancillary devices such as ESPA protocol alphanumeric pagers / DECT telephone systems
- ▶ 4.3 inch, 472 x 248 pixel, 24 Bit, 16 M colour, resistive LCD touchscreen (larger touchscreen available to special order)
- ▶ 40 characters of custom text per device
- ▶ Separate distinct LEDs for mandatory EN54 indications plus programmable LEDs
- ▶ Real time clock with built in and automatic daylight saving time/backup PSU
- ▶ Standard upload download software includes facility to upload company logos - even from a simple .jpg file from a camera
- ▶ Secure fault tolerant network as standard (needs separate network driver PCB)
- ▶ Full on-screen QWERTY keyboard
- ▶ Day/night sensitivity
- ▶ Three access levels - general, authorised user and engineer
- ▶ Four programmable 1A sounder circuits
- ▶ Directly connects to DIN standard fireman's Interface (IFAM-FAT/FBF). Interface for Keybox units and ATU.
- ▶ Up to 200 separate LEDs per panel, programmable as Fire Zonal LEDs or other
- ▶ Up to 64 eight loop peer to peer panel network capacity (max. distance between each 'node' = 1KM)
- ▶ Fault tolerant network drivers (Hi-Net)
- ▶ Flush and surface 'Compact Controllers'
- ▶ Up to 10,000 programmable and indicatable system zones
- ▶ Greater than 100,000 addressable device system capacity
- ▶ 20,000 event memory of all fire and fault and system events - all filterable
- ▶ Selectable Language
- ▶ 'Slide In' label system on custom moulded bezels for customizable language labels/custom description of zones and programmable LEDs. Common word processor templates available with software
- ▶ Isolated internal/external RS485 peripheral bus for connection of ancillary peripheral PCBs (15 PCBs max per panel)
- ▶ Up to 16 GB (2 GB as standard) internal SD card memory (removable micro SD card). SD card can be programmed off site if required
- ▶ Dedicated port for Ethernet connection (requires plug on TCP/IP PCB) to allow for Internet control and monitoring
- ▶ Onboard printer option
- ▶ Modular Construction
- ▶ Up to 18 Ah batteries in standard cabinet, up to 38 Ah in larger cabinets

Panel appearance and specifications subject to confirmation and/or change without prior notice. Please contact our sales desk for an up-to-date list of panel features, part numbers and release dates.

ENVISION 2-8 LOOP NETWORKABLE ANALOGUE ADDRESSABLE FIRE PANELS

PROCESSOR TECHNOLOGY	Dual processor, flash based.
POWER SUPPLY	230v 50-60Hz 5A EN 54-4/A2 inc temperature compensated charger. 1 x 24V 0.5A Aux PSU output.
MEMORY	512 Mb onboard flash – firmware. 16 Mb DRAM. 2Gb removable on board micro SD card (16Gb max).
DISPLAY	4.3 inch, 472 x 248 pixel, 24 Bit, 16 M colour, resistive LCD touch screen (larger sizes available to special order)
EXTRA INDICATION - MAIN DISPLAY CARD	16 Programmable main panel mounted LEDs (1 Green, 3 Red and 13 Yellow). These are the EN 54 Mandatory LEDs + a minimum of 6 user definable & programmable.
CONTROLS	Multiple controls via virtual touch screen buttons. User definable & programmable options. Multiple panel mounted keyswitch/ordinary switches panel mounted and programmable (needs extra serial I/O card).
ON BOARD I/O	4 x Programmable 1A sounder circuits (3A max. total) – Monitored 3 x Programmable relays volt free outputs. 2 x Programmable on board monitored inputs. 1 x Earth fault monitor.
PANEL CAPACITY	2 or 4 loops in standard cabinet 2, 4, 6 or 8 loops in medium or large size cabinets.
COMMUNICATION BUSES	2-8 Proprietary protocol loop drivers. Available as 2-loop PCBs. 1 x RS232 dedicated to onboard printer (optional). 1 x RS232 for connection of e.g. Alphanumeric Paging Transmitter (including ESPA) or DECT Phones. 1 x Serial I/O bus (for panel mounted auxiliary LEDs, switches etc). 1 x RS485 A-Bus. Peripheral bus to peripheral PCBs (e.g. relay drivers, I/O PCBs, Aux Sounder PCBs, Conventional zone PCBs, mimic drivers etc). Max 15 per panel. 1 x RS485 Fault tolerant network driver output (needs isolated fault tolerant network PCB). 1 x RS485 (needs TCP/IP plug on PCB for connection to LAN and Internet). 1 x RS485 Fireman's interface connection (needs proprietary driver PCB e.g. IFAM).
SERIAL ANCILLARY CARDS (EXTRA) • Max 3 Indication/Switch Modules per control module. • Two modules per enclosure window.	20-zone Indication Module, name slots & space for 5 switches* & 10 LEDs. 20-zone Indication Module, name slots, printer* & space for 2 switches* & 4 LEDs. 40-zone Indication Module with name slots. 40-zone Indication Module with space for 5 switches* & 10 LEDs. 40-zone Indication Module with printer* & space for 2 switches* & 4 LEDs. 100-zone Indication Module, numbered 1-100. 100-zone Indication Module, numbered 101-200. Blank Module. * Key switches and Push buttons extra.
A-BUS PERIPHERAL PCBs • Connect to Main 2-Loop PCB or Hi-Net+ PCB. • Cabling is 2 core + screen plus 2-core for power supply, which may be local. • Up to 15 per Network PCB per A bus. • Powered from Main 2-Loop PCB or other EN 54-4 PSUs. • Normally only used within the cabinet(s) but may be extended up to 1 km for non EN 54-2 functions.	4 relay PCB (half-size). 8 relay PCB. 8 I/O PCB (half-size). 16 I/O PCB. 4 Sounder PCB with PSU monitoring - 4 x 1A 6K8 monitored sounder circuits (3A limit). 4 zone PCB (conv) with 2 sounder circuits & PSU monitoring - 2 x 1A 6K8 monitored sounder circuits. Mimic Interface PCB (will use light guides). German key box interface PCB. IFAM FAT/FBF PCB German fireman's panel (Does not connect to Hi-Net).
CABINETS (W X H X D mm)	 <p>Standard (2-4 loop) (18Ahr Batteries) Medium (2-4-6-8 loop) (7-18Ahr Batteries) Large (2-4-6-8 loop) (12-38Ahr Batteries) Compact Controller</p>
STANDARDS COMPLIANCE	EN 54-2/4

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