



EN54-2 and EN54-4  
CERTIFIED  
1328-CPR-0179



## JUNIOR V4

### Single Loop Analogue Addressable Control Panel Expandable to 2 Loops

The Global Fire JUNIOR V4 is a single loop Analogue addressable control panel which can be expanded to two loops. It provides a cost effective solution for small to medium sized installations. The JUNIOR V4 can support up to 125 addressable devices on each loop which are compatible with major analogue addressable communications protocols.

Using Global Fire's advanced communications mechanism, up to **32 individually addressed Loop sounders** can be connected to each of the JUNIOR V4 detection Loops. The JUNIOR V4 also supports Shadow and Auxiliary Sounder/ Beacons together with GFE's new VULCAN 2 addressable Sounder-Beacon-Isolator along with all other GFE Interface devices.

The panel is equipped with a backlit LCD display of 4 rows each with 40 characters to give clear textual indications of Fire/ Fault occurrences to the end user. There are also **16 Zone Fire LED indicators**.

**Junior Repeaters** and Mini-Repeaters can be connected via an RS422/RS485, Fibre Optic or TCP/IP interface to facilitate remote display and control of the system.

An interactive graphic representation of the system can be displayed on the users' computer via the **ODYSSEY** graphical software (optional). All the devices on the system can be displayed on a building plan showing their status in real time. In the event of fire or fault the customer can control the system and access all the necessary information with a few mouse-clicks.

**Automatic Device Detection** at start up reduces time spent at the commissioning stage. In Installation mode the JUNIOR V4 detects and recognises addressed and connected devices with the system being fully operational in less than two minutes.

The default programming ensures that the system is ready to detect Fire/ Fault alerts from the moment that power is applied. Additional programming, to customise the system can be implemented using a laptop PC running the GFE Connector software which is available free of charge on GFE's website.

## JUNIOR V4

## Key Features

- ▶ Single loop panel - Expandable to two Loops using JNR-V4-Card
- ▶ Supports connection to Mini-repeaters via RS422/485, Fibre Optic or TCP/IP interfaces
- ▶ 125 Device addresses per loop
- ▶ 32 Individually programmable sounder addresses per Loop
- ▶ 96 VULCAN 2 (addressable) ultra low current sounders or beacons per Loop. Only 64 of these units should be installed per loop when combined sounder beacons are being used. This number includes addressable, shadow, auxiliary and detector-sounder/ beacon versions of these units
- ▶ 2 Fire output relays (change-over) and 1 Fault relay (Normally closed)
- ▶ 2 Conventional alarm outputs (Individually programmable)
- ▶ 384 Fully programmable zones
- ▶ 512 Fully programmable sounder groups together with 512 Input/Output groups
- ▶ Event log (rolling, 2000 entries)
- ▶ Compatible with GFE's range of Analogue Addressable Devices
- ▶ Backlit LCD display with 4 rows of 40 characters
- ▶ PC Programming using Upload/Download GFE Connector Software
- ▶ PC Graphics package ODYSSEY for alarm management and reporting (optional)
- ▶ Multiple language support (menu selectable)
- ▶ Integrated 16 zone LED fire zone indication

## TECHNICAL SPECIFICATIONS

PRIMARY SUPPLY VOLTAGE - INPUT	230 +10% -15% V AC
PRIMARY SUPPLY VOLTAGE - OUTPUT	28.5 V DC nominal
PRIMARY SUPPLY CURRENT - OUTPUT	2.4 A @ 28.5 V DC nominal (max.)
SECONDARY SUPPLY VOLTAGE	21.0 Min. - 27.2 Max.V DC -BAT charger o/p 28 V DC
SECONDARY SUPPLY CURRENT OUTPUT	1.6 Amp Maximum @ 20°C
INTERNAL BATTERY CAPACITY - MAXIMUM	2 x 12 V 7Ah Sealed VRLA Lead Acid Batteries
LOOP CURRENT DRIVE	275 mA/Loop
AUXILIARY RELAY OUTPUTS	2 Fire (COM-NC-NO) - 1 Fault (COM-NC) non-supervised
CONVENTIONAL SOUNDER CIRCUITS	2 - 400 mA Max. current drive per circuit - Fully monitored
MAX. HUMIDITY	95% RH Non-Condensing
OPERATING TEMPERATURE	-10°C to 50°C
WEIGHT	2.0 Kg - 7 Kg (inc. 2 x 7 AH 12 V bat.)
DIMENSIONS	272 (W) x 404 (H) x 107 (D) mm
COLOUR	White or Red
<b>ORDER CODE</b>	
<b>JNR-V4-1</b>	JUNIOR V4, 1 LOOP EXPANDABLE TO 2 LOOPS, PSU 2.4 A
<b>JNR-V4-2</b>	JUNIOR V4, 2 LOOPS, PSU 2.4 A
<b>JNR-V4-CARD</b>	JUNIOR V4 LOOP CARD EXPANSION FROM 1 TO 2 LOOP