GEKKO

FIRE ALARM CONTROL PANEL

RoHS Compliant

EN54-13 CERTIFIED

CERTIFIED EN54-2 EN54-4

The GEKKO Fire Alarm Control Panel is the successor to GFE's well-known JUNIOR V4 panel. The GEKKO can have from 1 to 4 addressable loops. It is housed in a functional ABS plastic enclosure, with only two screws used to close and secure the lid.

The new graphic backlit LCD display can accommodate any type of custom characters or graphic symbols, allowing multi-language support, as well as visual and customisable elements.

It can communicate with our proprietary ODYSSEY Graphics Interface, as well as with third party Building Management Systems through a Modbus output. It is also capable of communicating with a repeater unit, using any of the networking interfaces of the CHAMELEON protocol.

Inside the cabinet there is space to install up to 7AH 24V DC Sealed Lead Acid backup batteries, providing battery supply to the GEKKO and ZEOS associated devices, which boast extremely low energy consumption.

The Cause and Effect programming, as well as all customer specific configuration, is introduced in the GEKKO using the CHAMELEON CONNECTOR software, which is then downloaded to the flash memory of the unit.

KEY FEATURES

- 1 to 4 loops panel
- Supports connection to Repeaters via RS422, Fibre-Optic or TCP/IP
- Networkable panel, compatible with OCTO+ and NODE+ range of panels
- Up to 250 devices per loop (only 125 addresses available)
- Up to 95 VULCAN 2 (addressable) ultra low current base sounders (32 address limit)
- 32 individually programmable sounder addresses
- Full Self-Addressable Devices support
- 2 Fire output relays (change-over) and 1 Fault relay (NC - opens on fault)
- 2 conventional alarm outputs (Individually programmable)
- Both detection loops monitored for integrity
- 512 fully programmable sounder and I/O groups
- 384 fully programmable zones
- Event log (rolling, 10000 entries)
- Available only with ZEOS protocol
- Compatible with all our own low cost ancillary modules
- Backlit graphical LCD display of 240x64 pixels
- Programming by integrated keypad or Loader PC software
- Multiple language support (menu selectable)
- Integrated 16 zone LED fire zone indication

CE

18

© 241115

GSS GROUP

TECHNICAL SPECIFICATIONS

MAINS POWER SUPPLY RATING	90V to 253V @ 50Hz 65W
PRIMARY DC SUPPLY	28.5V DC @ 2.4A (Max)
SECONDARY SUPPLY	21.6 (Min) - 27.2V DC (Max) - Battery charger: 27.5V DC
PRIMARY ADDRESSABLE DETECTION AND ALARM CIRCUIT	28.5V DC
SOUNDERS CONVENTIONAL OUTPUT CIRCUIT	28V DC
BATTERY CAPACITY (INTERNAL)	Standard box: 2x 12V 7AH; Deep Box: for larger volume batteries
QUIESCENT CURRENT (NO DEVICES)	60mA
AUX POWER OUTPUT	2 x 24V DC 300mA / 1 x 24V switched out
MAXIMUM LOOP OUTPUT CURRENT	1 - 4 loops 900mA alarm peak / 165mA quiescent per loop
LOOP TOPOLOGY	Class A (loop) or Class B (radial)
LOOP/SOUNDER CABLE	Fire resistant 2 x 1.5mm (Max 1200 m) or 2 x 2.5mm (Max 2000 m)
CONVENTIONAL SOUNDER CIRCUITS	500mA for conventional sounder circuits a+b
AUX. RELAYS FIRE	2 x rated 2A @ 30V DC resistive / 0.5A @ 120V AC resistive / 0.25A @ 240V AC resistive
AUX. RELAY FAULT	1 rated 2A @ 30V DC resistive / 0.5A @ 120V AC resistive / 0.25A @ 240V AC resistive
GRAPHICAL LCD DISPLAY	High definition, high contrast blue backlit 240x64 pixels
COMMUNICATION CHANNELS	2 x configurable communications ports
BMS OUTPUT	ODYSSEY (Graphical software), TCP/IP WEB (remote web monitoring), MODBUS RTU, ESPA 4.4.4
SOFTWARE CONNECTION	USB type B
EVENT LOG	10,000 events
OPERATING / STORAGE TEMPERATURE	-10ºC to +50ºC
HUMIDITY	Max. 85% RH Non-Condensing
INGRESS PROTECTION / MATERIAL	IP30 / ABS
DIMENSIONS	Standard box: 273 (L) x 403 (H) x 106 (W) mm; Deep box: 273 (L) x 403 (H) x 142 (W) mm
WEIGHT	1,6 Kg (no batteries)
ENCLOSURE COLOURS	White (RAL 9003), Red (RAL 3001) or Anthracite (RAL 7016)

For EN54-13 compliance, please check the control panel manual specifications.

ORDER CODE

GEKKO-1L	1 LOOP - PSU 2.4A	1328-CPR-0737
GEKKO-2L	2 LOOP - PSU 2.4A	1328-CPR-0737
GEKKO-3L	3 LOOP - PSU 2.4A	1328-CPR-0737
GEKKO-4L	4 LOOP - PSU 2.4A	1328-CPR-0737