



ORION GFE

Conventional fire detection panel



EN54-2 and EN54-4
1328-CPR-0224
CERTIFIED

The ORION GFE conventional fire control panel range offers a creatively designed and visually pleasing solution for smaller cost-conscious projects demanding simplicity of operation. Versions available include 2, 4 and 8 zone panels and two styles of repeater.

The outstanding programmable features included in this panel range contradict the facilities commonly available in this type of panel and include: programmable time delay by zone, Day/Night mode, selectable non-latching zones and coincidence detection.

Operation is extremely intuitive, offering simple control and one-button disablement facilities, as well as the one man test mode which provides simple and efficient testing of the system.

Advanced configuration solutions include the following: a dedicated RS232 communication interface allowing connection of up to 4 remote repeater panels, addressable loop interface modules and multiplexed zonal output relays; giving one of the most highly advanced levels of system integration and compatibility existing on the market at this level.

MAIN FEATURES

- 2, 4 and 8 Zone non-expandable control panels
- Up to 32 conventional smoke and/or heat detectors per zone
- Active End of Line monitoring
- Programmable non-latching Zones
- Delay timer programmable on/off per Zone
- Coincidence programmable for adjacent Zones
- One man test
- Supervised auxiliary 24 volt output
- 2 Supervised/ monitored sounder circuits
- 3 Remote inputs used for activation of Class Change, Day/Night mode, and Reset
- 2 Relay outputs fire and fault
- Fully EN54 part 2 and 4 compliant
- Repeater output
- Multiplexed output for LEDs and additional relay outputs per zone (GFE-MPX-REL)
- Multiplexed output for sounders per zone (GFE-MPX-SNDR)
- Addressable Loop Interface card (GFE-ADLI)

**TECHNICAL SPECIFICATIONS**

PRIMARY SUPPLY VOLTAGE - IN	230V AC +10% -15%
PRIMARY SUPPLY VOLTAGE- OUT	28.5V DC nominal
PRIMARY SUPPLY CURRENT-OUT	1.7A @ 28.5V DC nominal (max.)
SECONDARY SUPPLY VOLTAGE	21.0 min. - 27.2 max. V DC - BAT charger o/p 28V DC
SECONDARY SUPPLY CURRENT OUTPUT	1.1 Amp maximum @ 20°C
INTERNAL BATTERY CAPACITY - MAXIMUM	2 x 12V x 7Ah Sealed VRLA Lead Acid Batteries
MAINS FUSE	4 A 250 V Slow Blow - 20 mm
BATTERY FUSE	1.6 Amp - Resettable
NUMBER OF DETECTION ZONES	2, 4 or 8
ZONE CURRENT - QUIESCENT / ALARM	4 mA / 60 mA maximum
MAX. CABLE RESISTANCE / CAPACITANCE	40 Ohms / 0.470 uF
END OF LINE MONITORING	Active EOL - 10uF/50V Bipolar Capacitor
BS5839 DETECTOR REMOVAL COMPLIANT	YES provided diodes are fitted to detector base
DEVICES PER ZONE	32 maximum - EN54 pt.2
ALARM RESISTANCE VALUE: INPUTS	270 - 1000 Ohms
CURRENT OUTPUT	2 outputs w/ 500mA max. current drive per circuit - fully monitored
VOLTAGE OUTPUT	27.5V DC Nominal / 10 K Ohms - 1/4 Watt
AUXILIARY RELAY OUTPUT	1 Fire (COM-NC-NO) - 1 Fault (COM-NC) non-supervised
RELAY CONTACT RATING	50V DC - 1 Amp resistive loads
EVACUATION AND RESET	Non-Latching - Voltage free contact
MAXIMUM HUMIDITY	95% RH Non-Condensing
PROTECTION RATING	IP30
OPERATING TEMPERATURE	-10°C to 50°C
WEIGHT	1.7 Kg - 7 Kg (inc. 2 x 7 AH 12 V bat.)
DIMENSIONS	273 (L) x 107 (W) x 404 (H) mm
COLOUR	White or Red

ORDER CODE

ORION GFE - 2 Zones	1328-CPR-0224	2 ZONES CONVENTIONAL FIRE DETECTION CONTROL PANEL
ORION GFE - 4 Zones	1328-CPR-0224	4 ZONES CONVENTIONAL FIRE DETECTION CONTROL PANEL
ORION GFE - 8 Zones	1328-CPR-0224	8 ZONES CONVENTIONAL FIRE DETECTION CONTROL PANEL