ORION

2 / 4 / 8 FIRE ALARM CONTROL PANEL

RoHS Compliant

CERTIFIED EN54-2 EN54-4

The ORION conventional 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 per zone; Day/Night operation mode; Selectable non-latching zones; 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, that gives one of the most highly advanced levels of system integration and compatibility existing on the market at this level, include the following: dedicated RS232 / RS485 communication interface allowing the connection of up to 4 remote repeater panels; Addressable loop interface modules and multiplexed zonal output relays and sounder modules.

KEY FEATURES

- 2, 4 and 8 Zone non-expandable control panels
- Up to 32 conventional devices (smoke and/or heat detectors and call-points) per zone
- Active End of Line for Zone wiring monitoring (10uF/50V bipolar capacitor)
- Programmable non-latching zones (selectable for each zone)
- Programmable delay timer for sounder activation (maximum of 8m)
- Day/Night function
- Delayed operation (selectable for each zone)
- Zone Coincidence (programmable for adjacent zones)
- Two Access Levels (Selectable by fixed code entry)
- One man test capability
- Supervised auxiliary 24-volt supply output
- 2 Supervised/monitored sounder circuits
- 3 Remote Inputs (Class Change, Remote Reset and Day/Night Operation)
- 2 Relay outputs for fire and fault status indication (Unmonitored)
- Dedicated repeater panel and analogue loop interface
- Additional output via MPX-REL & MPX-SNDR modules
- EN54-2 and EN54-4 compliant

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Global Fire Equipment SA

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TECHNICAL SPECIFICATIONS

PRIMARY SUPPLY VOLTAGE - IN	90V to 253V @ 50Hz 65W
PRIMARY SUPPLY VOLTAGE- OUT	28.5V DC nominal
PRIMARY SUPPLY CURRENT-OUT	2.4A @ 28.5V DC nominal
SECONDARY SUPPLY VOLTAGE	21.0 min. - 27.2 max. V DC - BAT charger o/p 28V DC
SECONDARY SUPPLY CURRENT OUTPUT	1.85 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	1.85 Amp - Resettable
NUMBER OF DETECTION ZONES	2 / 4 / 8
ZONE CURRENT - QUIESCENT / ALARM	10 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
MAXIMUM CURRENT: OUTPUTS	1,85A maximum current drive for both S1 & S2 circuits; 100 mA for RM output
VOLTAGE OUTPUT	27.5V DC nominal
END OF LINE RESISTOR: S1 & S2; RM	S1 & S2: 10K Ohms - 1/4 Watt
AUXILIARY RELAY OUTPUT	1 Fire (COM-NC-NO) - 1 Fault (COM-NC) non-supervised
RELAY CONTACT RATING	30V DC - 2A / 230V AC - 0.25A (resistive loads)
EVACUATION AND RESET	Non-Latching - Voltage free contact
OPERATING/ STORAGE TEMPERATURE	-10°C to +50°C
HUMIDITY	95% RH Non-Condensing
INGRESS PROTECTION / MATERIAL	IP30 / ABS
DIMENSIONS	273 (L) x 107 (W) x 404 (H) mm
WEIGHT	1.7 Kg - 7 Kg (inc. 2 x 7 AH 12 V bat.)
COLOUR	White (RAL 9003) or Red (RAL 3001)

ORDER CODE

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

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