Tel: 00-44-8450751042 • Fax: 00-44-8450751043 • Email: info@fireguard-uk.com
2nd FLOOR | 145-157 ST.JOHNS STREET | LONDON | EC1V 4PY | UNITED KINGDOM

iQ400 series 4 and 8 Zone conventional fire alarm control panel

Listed.

Fireguard iQ series microprocessor based UL listed conventional control panels provide a solution to any conventional system requirement. Fireguard iQ series panels fully complies with UL-864 and NFPA-72.It comes with 16x2 dot matrix LCD display with lamp & walk test facility. Fireguard iQ series panels advanced features included as standard to ensure ease of use and high reliability.

Model iQ400 series-404- 4 Zone
Model iQ400 series-408- 8 Zone

Features:

- 4 Class B initiating device circuit t (IDC).
  - All zones accept smoke detectors and any normally open contact device.
  - Any Zone can be configured as Alarm or supervisory Zone.
- 2 Class B Notification Appliance Circuits (NAC).
- Fully complies with UL -864 and NFPA-72.
- Rugged CRCA sheet with powder coated finish.

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- Operates on 120 - 220v 50 /60 Hz, AC Mains power supply.
- Standby (battery) backup 24v DC power supply with built in charger.
- 16x2 Dot Matrix LCD Display.
- Error free Fire / Fault status in unambiguous colored LED indication.
- System ON indication.
- Main, Standby status audible and visual indication.
- Battery Low visual warning with audible tone.
- Form–C relays for fire, fault and supervisory.
- Resettable / uninterrupted 24v D.C. Output.
- RS 485 Communication facility (Optional).
- Lamp Test facility.
- Walk Test facility.
- Zone Isolation facility with loop voltage cut off.
- Earth fault annunciation facility at 0 ohm
- All field wiring circuits are Power limited except 110 - 220v AC and Battery.
- All field wiring circuits are supervised.
- AC Low voltage cutoff.
- Programmable NAC’s.
- Programmable IDC’s.
- Programmable Supervisory Mode.
- Programmable AC loss delay.
- Alarm verification on facility.
- Programmable Trouble reminder facility.

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Technical Specification :

Primary Power – CN1 (RE-SMPS-4A-R1)
120 - 220VAC ± 10%, 50 Hz,
Standby Power – CN10
24v D.C (2 Nos of 12v, 12Ah Sealed Lead acid battery).
Operating Condition
Operating Temperature – 0 - 49° C/32-120° F. Relative Humidity – 93±2% RH (non-condensing) at 32 ±2° C/90±3° F.
Charging Circuit
Charging Voltage – 28.2V, ±0.5V Charging Current – 800mA (Max.).
Initiating Device Circuits - CN 8
All zones are Class B Style B/C operation (Programmable). Normal Operating Voltage : 14-21 VDC. Alarm Current : 15- 30mA. Short Circuit Current : 45mA Maximum Loop resistance : 100 ohms Maximum End-Of-Line Resistor : 3K9, 1/2watt Standby Current : 7mA (2mA for Detectors)
Notification Appliance Circuits
Class B Style - Y wiring Operating Nominal Voltage : 24VDC Special Application Current for all NACs : 1.2Amps (0.6A per circuit) Current Limit: CN5 and CN6 via Thermal Fuse Line Drop : 1.8V End-Of-Line Resistor : 3K9, 1/2watt Note: For compatible devices refer Chapter 9(CD 01).
D.C. Power - CN7
Operating Voltage: Supervised 24VDC regulated. 300mA Max. (for 4 wire smoke detector)
Common Three Form C Relays
Relay Contact Rating: 2Amps @ 30 VDC. 2Amps @ 3OVAC. Power Factor: 0.6
Dimension of the panel
440 x 340 x120mm (l x h x d)