



iQ800 series **Extinguishing control panel**



Fireguard iQ series microprocessor based UL listed extinguishing control panels provide a flexible approach to multiple area extinguishing protection.

Fireguard iQ series panels fully complies with UL-864 and NFPA-72. Approval by Underwriters Lab to the most rigorous of international standards, provides peace of mind for both designers and end-users. With gas panels often protecting high cost, high risk areas.



Fireguard iQ series panels are packed with advanced features as standard to ensure ease of use and high reliability. It comes with 16x2 dot matrix LCD display with walk test facility & 200 event log

Model iQ800 series-W (White cabinet)
Model iQ800 series-R (Red cabinet)

Features:

- Fully complies with UL -864 9th Edition and NFPA-72.
- Rugged CRCA sheet with powder coated finish.
- 4 Class B initiating device circuit (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 Releasing Agent Circuits (RAC).
- 2 Class B Notification Appliance Circuits (NAC).



- Operates on 120 - 220v 60 / 50 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.
- 3 Form C relays one for fire and two programmable relays for Fire / fault / supervisory / Cross Zone / Gas Released.
- Programmable two Input Circuits for Manual release and abort.
- Two modes of operations Auto / Manual.
- Programmable 24v D.C. Outputs.
- Programmable NAC2 as RAC1.
- RS 485 Communication facility (Optional).
- 200 Events Log facility with RTC.
- Walk Test facility.
- Zone Isolation facility.
- All field wiring circuits are Power limited except 120 / 220v AC and Battery.
- All field wiring circuits are supervised.
- AC Low voltage cutoff.
- Programmable RAC's with count down timer.
- Programmable NAC's.
- NAC it is saying releasing agent circuit
- Programmable IDC's.
- Programmable Supervisory Mode.
- Programmable AC loss delay.
- Alarm verification facility.
- Programmable trouble reminder facility.



Technical Specification :

Primary Power – CN1 (RE-SMPS-4A-R1)
120 - 220VAC \pm 10%, 50 Hz,
Standby Power
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 \pm 2% RH (non-condensing) at 25 \pm 2° C/77 \pm 3° F.
Charging Circuit
Charging Voltage – 28.4V, \pm 0.2V with Current – 800mA (Max.).
Initiating Device Circuits
All zones are Class B Style B/C operation (Programmable). Normal Operating Voltage : 120 - 220VAC \pm 10%, 50 Hz, 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 Li mit: CN5 and CN6 via Thermal Fuse Line Drop : 1.8V End-Of-Line Resistor : 3K9, 1/2watt
Releasing Appliance Circuits – CN 13 & 14
Class – B Style - Y wiring Operating Nominal Voltage: 24VDC – Special Application Current for all RACs: 0.6A per circuit Line Drop: 1.8V End-Of-Line Resistor: 3K9, 1/2watt
D.C. Output Power
Supervised 24VDC regulated. 300mA Max. (for 4 wire smoke detector)
Common Three Form C Relays
Relay Contact Rating : 2Amps @ 30 VDC. 2Amps @ 30VAC. Power Factor : 0.6
Dimension of the panel
440 x 350 x120 mm (l x h x d)