

Efire Series Conventional Fire Detection and Warning Panels (4-8-12-16 ZON)



Conventional Fire Detection and Warning Panels manufactured with ECP Series new generation microprocessor technology are 4 zones and can be expanded up to 16 zones with 4 zone of expansion cards. 32 detectors and unlimited number of call points can be connected to each zone (Certified with EN54-2 and EN54-4 Standards). Having the affordable, stylish new design, modular, user friendly, ease of use features; these panels are preferred in many medium and large enterprises. There are 8 manually operated keys, 1 for each zone on the panel which are SOUNDER ACTIVE / SILENCE, BUZZER SILENCE, RESET, LAMP TEST, AUX / CONTACT DISABLED, SOUNDERS DISABLED, CONTROL, DELAY ACTIVATED. In addition, there are FIRE, FAULT, DISABLED, SYSTEM ON, TEST, SYSTEM FAULT, POWER FAULT, BATTERY FAULT, 24V DC (AUX) FAULT, GROUNDING FAULT leds on the panel.

Both alarm (Red) and fault-disable-test (Yellow) LEDs are available separately for each zone. There are security keys and 3 different user levels against unauthorized persons.

Each zone can be deactivated temporarily if necessary, as well as all at the same time. 2

sounder outputs of the panel with short circuit protection, for fire and fault relay output, 24V DC Aux Backup Supply output. Delays of Sounder and Relay outputs can be arranged separately. (Settings can be programmed as 15-30-45-60 seconds). The panel works with 24V and 2 12V batteries are connected to each panel. The main features of the product are the ability to monitor all events that occur without intervention, and the reporting of events until the last reset.

Certified with EN-54-2 and EN54-4 standards.

OPTIONAL FEATURES

- * Repeating panel connection capability
- * Additional 4-relay cards for each Zone
- * Of 4 or 8 relay boards for fire or fault relay output
- * Telephone call module and communication module (supports up to 8 Zones)
- * Sounder output expansion card
- * Zone Relay Card (In case of an alarm on the zone, the relay triggers)

TECHNICAL SPECIFICATIONS

Main supply	230 VAC @ 50 Hz
Max. Current	1,7 A @ 230 VAC
Operating voltage	21-30 VDC
Main Insurance	4 A
Battery	7 Ah@2x12VDC (Max.) - 2Ah@2x12VDC (Min.)
Zone Number	Can be increased to 4,8,12,16 zones.
Zone Capacity	Each zone has 32 detectors and Unlimited call points
Zone Alarm Current	90 mA (Max.)
Quiescence Current	50 mA
End of Line Capacitor	100 uF/35 VDC Capacitor.
Fire Warning Resistance	470-680 Ω
Sounder output	2X 27.5 VDC 500 mA (short circuit protected)
External supply output	24 VDC 500 mA (short circuit protected)
Fault relay	Nc ve No 1A@230 VAC
Compatibility	Compatible with all kinds of conventional devices
Protection Class	IP30
Enclosure Material	ABS
Mounting Type	Surface or built-in
Operating temperature	(-10°C) - (+55°)
Relative Humidity (Max.)	95 %
Weight (Without Battery)	2,20 Kg
Dimensions	440x355x110 mm
Standard	EN54-2, EN54-4