



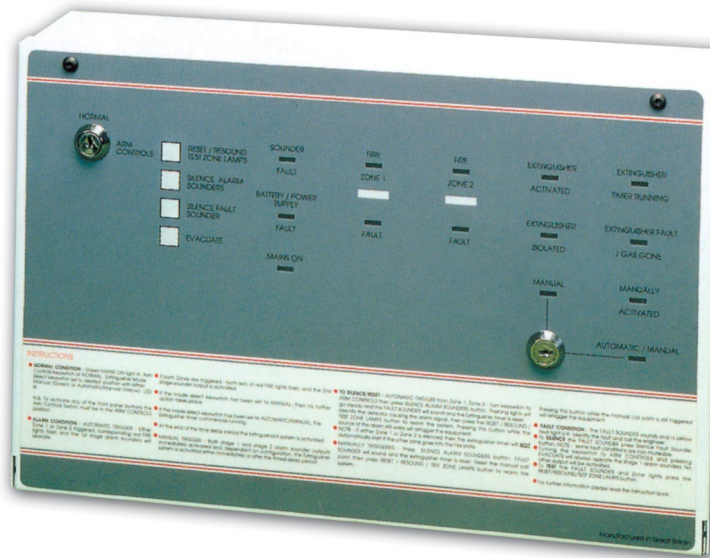
FF383H

Automatic Extinguisher Panel

C-TEC's Automatic Extinguisher panel is based on the well-proven FP 2 zone fire panel.

Cost-effective and easy-to-install, the panel can be configured to trigger automatically when both of its detector circuits are in a 'fire' condition or manually via its manual release circuit. An adjustable timer is provided to delay the extinguishant from firing for up to 120 seconds or, alternatively, instantaneous release can be selected via a secure link inside the panel.

A new Environmental Sensor Board, the BF384H, can also be connected to the panel for use in remote monitoring situations where adverse environmental sensing is required, e.g. in mobile phone out stations (contact our sales desk for further details).



- **Lift-off lid for easy first fix and straightforward maintenance**
- **Panel LEDs give comprehensive overview of system status**
- **Separate manual zone facility**
- **Coincidence relay gives changeover voltage free contacts**
- **Adjustable time delay**
- **Freeze timer function (stops and then resumes timer count)**
- **Reset timer function**
- **Manual timer override facility**
- **Fully isolatable**
- **True battery monitoring circuit**
- **Keyswitch control changes system status from manual to automatic/manual**
- **Comprehensive operation instruction on front lid**
- **Overseas variants (subject to quantities)**

AUTOMATIC EXTINGUISHER PANEL – TECHNICAL SPECIFICATIONS

EXTERNAL CONTROLS

Keyswitch operated

- Reset/Resound/Test Zone Lamps
- Silence Alarm Sounders
- Silence Fault Sounders
- Evacuate

(A second keyswitch changes the system from Manual to Automatic/Manual)

INTERNAL CONTROLS

- Engineer's one man test
- Zone Isolate
- Revert to short circuit = fire (no resistors in call points)
- Isolate extinguishant firing circuit
- Instant manual extinguishant firing
- Timed manual extinguishant firing
- Timer adjustment for above, 7-120 seconds

EXTERNAL INDICATORS

- Sounder Fault
- Battery/Power Supply Fault
- Mains On
- Zone Fire
- Zone Fault
- Extinguisher Activated
- Extinguisher Timer Running
- Extinguisher Isolated
- Extinguisher Fault/Gas Gone
- Manually Activated
- Manual
- Automatic/Manual

INTERNAL INDICATOR

- Open circuit zone fault
- Short circuit zone fault
- Zone isolated
- Engineer Test Selected
- Manual release circuit
- Open circuit fault
- Detonator circuit is open circuit or fuse blown
- Low pressure and/or gas gone

OUTPUTS

- Two sounder circuits
- Voltage free changeover contacts on alarm (use for first stage fire alert)
- Auxiliary 24 VDC (may be removed on alarm 100mA max)
- Coincidence second stage sounder output 250mA max continuous
- Auxiliary manual indicator output for remote LED indication
- Auxiliary automatic indicator output for remote LED indication
- Changeover contacts on start of time delay. Voltage free contacts
- Changeover contacts on activation of extinguishant release circuit
- Voltage free contacts

INPUTS

- Automatic circuits 1 & 2. For conventional smoke detectors. Open and short circuit fault monitored
- Low pressure gas gone. For normally open pressure switches on the extinguishant pipework. Open and short circuit fault monitored
- Manual release circuit. Open circuit monitored release circuit for manual call points or similar normally open switches
- Remote automatic/manual automatic keyswitch allows multiple connection of remote keyswitches
- Reset timer to zero. For normally open momentary switches. When released the timer starts again
- Stop timer. For normally open momentary switches. When released the timer continues from where it was stopped

CONNECTIONS

- Sturdy connector block in back of panel
- Dos and don'ts information around terminals
- Terminals unplug from the circuit board

FP RANGE AUTOMATIC EXTINGUISHER PANEL (1.4A SUPPLY)

POWER SPECIFICATION	
Mains supply voltage	205-260 VAC 50 Hz 1 Ph
Internal power supply	24VDC Nominal
Total output current limited to	1400mA@240 VAC
Auxiliary power output	27 VDC Nominal
Mains supply monitored for failure	YES
Battery charger monitored for failure	YES
Batteries monitored for disconnection and failure	YES
DETECTOR CIRCUIT SPECIFICATION	
Number of circuits	2
Line fault monitored for open circuit	YES
Line fault monitored for short circuit	YES (can be disabled)
End of line resistor (supplied) value	1 6800Ω
Call point resistor value	470Ω
Maximum number of smoke detectors per circuit	20@100uA
SOUNDER CIRCUIT SPECIFICATION	
Number of circuits	2
End of line resistor value	6800Ω
Line fault monitored for open circuit	YES
Line fault monitored for short circuit	YES
Outputs fused at	1 Amp
Maximum no of bells @25mA each bell	56
Maximum no of electronic sounders @ 20mA	70
Auxiliary relay contacts (do not connect mains voltages)	1A 30VDC max Volt Free
FUSES	
Mains input	25mm 3.0 Amp
Sounder outputs	20mm 1.0 Amp
Auxiliary outputs	20mm 1.0 Amp
Battery fuse	20mm 1.6 Amp
DIMENSIONS	
Enclosure (width x height x depth)	405 x 267 x 92mm
Weight (without batteries)	5.0 kg
QUIESCENT CURRENT/BATTERY STAND-BY TIME (HRS)	
Quiescent drain of system in muted mains fail mode	60mA
Stand-by time with 2.6 AHR batteries	24 Hr*
Stand-by time with 6.0 AHR batteries	72 Hr*

*the battery stand-by time which will allow half an hour of full alarm load will vary and depends on the system configuration.