Fire Alarm System

LPCB

LPCB LISTED

FIREX-UK

LPCB

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This is to Certify

EMIRATES FIRE PROTECTIONS EQUIP. FACTORY. TR. SECTION
Behind Fourth Industrial Street, Industrial Area 13,
Sharjah, UAE P.O 22436, Sharjah UAE

is authorised to use the LPCB mark in association with the
product(s) listed in this certificate and appendix.

FX9103 and FX9103I
Heat Detectors

which have complied with the requirements of the following

EN 54-5: 2000 + A1: 2002

Certificate No: 548c-(cl-3)

Issue Number: 03

Date of Issue: 06 February 2013

Signed for and on behalf of LPCB

E MATTIE-SULEIMAN

FIREX-UK

INDEX

FIREX - UK

FX9102I
Intelligent Optical Smoke Detector

- Aesthetically pleasing low profile design
- 8 Bit intelligent processor with A/D converter
- Built in algorithm maps for false alaram rejection
- Electronically Address
- Twin LED for 360° vision
- With Remote Indicator output
- Removable optical chamber for easy cleaning and maintenance
- DZ-03 Standard Detector Base
- LPCB Listed

Techincal Specifications

- Standards: EN 54-7
- Operating Voltage: 24VDC Loop (16V~28V)
- Operating Current:
   - Standby Current: 0.8mA
   - Alarm Current: 5mA
- Operating Environment:
   - Temperature: -10~+50°C
   - Relative Humidity: 95%
- Dimensions: Diameter 100mm, Height 56mm (with base)

LPCB

548d (cl-3)

FX9103I
Intelligent Dual Heat Detector

- Fixed Temperature and Rate of Rise Heat Detection
- Aesthetically pleasing low profile design
- 8 Bit intelligent processor with A/D converter
- Electronically addressed
- Fixed temperature response 58°C
- With Remote Indicator output
- Twin LED for 360° vision
- ROR on/off option
- DZ-03 Standard Detector Base
- LPCB Listed

Techincal Specifications

- Standard: EN 54-5
- Operating Voltage: 24VDC Loop (16V~28V)
- Operating Current:
   - Standby Current: 0.8mA
   - Alarm Current: 5mA
- Operating Environment:
   - Temperature: -10 ~+50°C
   - Relative Humidity: 95%
- Alarm Temperature: 58°C
- Detector Class: A1R
- Dimensions: Diameter 100mm, Height 58mm (with base)
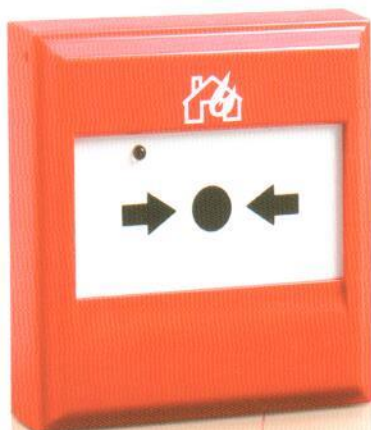
LPCB

548c (cl-3)

FIREX - UK

FX9403I
Addressable Sounder and Strobe

- 16 selectable tones
- Strobe provided by high intensity LED cluster
- Programmable selection of loop powered or 24V
- Programmable selection of sounder/strobe, sounder or strobe only
- 2 stage alarm option Alert/EVAC
- Power saving and normal mode
- LPCB Listed

Techincal Specifications

- Standard: EN 54-3
- Operation Voltage: 24VDC Loop (16V~28V), 24VDC Power Supply
- Operating Current: Power Saving Mode:
  - Loop: Standby Current 2mA, Alarm Current; 9mA
  - 24V Supply: Loop standby: 1mA; Alarm; 2mA
  - PSU Standby: 1mA, Alarm Current; 9mA
- Normal Mode: Loop Power: Standby: 2mA; Alarm; 35mA
  - 24V Supply: Loop standby: 1mA; Alarm; 2mA
  - PSU Standby: 1mA, Alarm Current; 35mA
- Sounder Output: Depend on the tones
- Wiring: Non-polarized 2-core for loop
  - Non-polarized 2-core for power supply
- Operating Environment: Temperature: -10~+ 50°C / Relative Humidity: 95%
- Dimension: Φ110mm x 97.5mm (deep base)
  - Φ110mm x 83mm (shallow base)

LPCB

548e (cl-3)

FX9204I
Digital Manual Call Point

- Re-settable (non-breaking glass) via special key
- Advanced digital communication
- Electronically addressing
- Friendly installation and test
- Wiring before termination
- Semi-flush mount installation
- Optional back-box for surface mount
- Stylish pleasing design
- LPCB Listed

Techincal Specifications

- Standard: EN 54-11
- Protection Rating: IP43
- Operating Voltage: 24VDC Loop (16V~28V)
- Operating Current:
  - Standby Current: 0.6mA
  - Alarm Current: 1.8mA
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Application: Indoor use
- Dimensions: 87 x 87.5 x 58 mm, Surface Mount
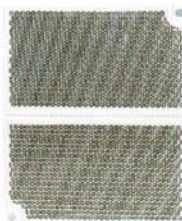 - 87 x 87 x 23.5 mm, Flush Mount

LPCB

548g (cl-3)

FIREX - UK

FX-9201I
Addressable Manual Call Point

• Re-settable (non-breaking glass) via special key
• Electronically addressing
• Two part plug-in construction with base mounted termination allows easily installation and connection
• LPCB Listed

Techincal Specifications

• Standard: EN 54-11
• Operating Voltage: 24VDC Loop
• Power Current:
  Standby Current: 0.8mA
  Alarm Current: 2mA
• Normally output contact: Rating 60VDC / 0.1A
• Operating Environment:
  Temperature: -10~+50°C
  Relative Humidity: 95%
• Application: Indoor use
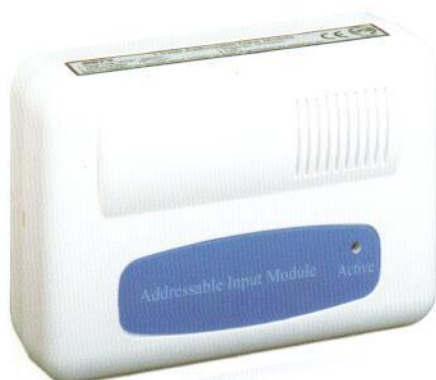• Dimensions: 95 x 98 x 40 mm

LPCB

548g (cl-3)

FX9105RI
Intelligent Reflective Beam Detector

• Range 8 -100 Metres
• 2 selectable levels of sensitivity adjustment
• Compatible with conventional Panel
• Ideal for Atriums, Warehouses, Shopping Centres, Airport Terminals, etc.
• Simple and cost effective installation of transmitter and reflective 'honey comb' mirror
• Quick and easy to set up and align with visual green LED indication that flashes faster or slower subject to signal strength. Replace the cover and the detector will self calibrate to the required level.
• LPCB Listed

Techincal Specifications

• Standard: EN 54-12
• Operating Voltage: 24VDC Loop (15V~28V), 24VDC Power Supply
• Power Current:
  Commission Current: 20mA
  Standby Current: 8mA
  Alarm Current: 12mA
• Detection Range: Length from 8 to 100 metres, width 7 metres in both sides
• Wiring: Non-polarized two-core 24VDC
  Non-polarized two-core detection loop
• Operating Environment:
  Temperature: -10 ~+50°C
  Relative Humidity: 95%
• Dimensions: 206mm x 95mm x 95mm
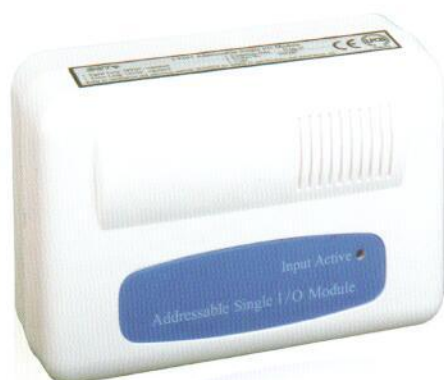
LPCB

548k (cl-2)

FIREX - UK

FX9300I
Addressable Input Module

- Monitor switch contacts of remote equipment
- Loop powered
- Input programmable for NO or NC contacts
  (Programmable via P-9910B handheld programmer)
- Two part plug-in construction with base mounted termination allows easy installation and connection
- Intelligent interface can be addressed and plugged in to base at time tof commissioning
- Electronically addressed
- LPCB Listed

Techincal Specifications

- Standard: EN 54-18
- Operating Voltage: 24VDC Loop (16V~28V)
- Operating Current:
  - Standby Current: 1mA
  - Action Current: 4mA
- Operating Environment:
  - Temperature: 0~+ 49°C
  - Relative Humidity: 93%
- Dimension: 120mm x 80mm x 39mm

LPCB

548h (cl-3)

FX9301I
Intelligent Single Input/Output Module

- Addressable I/O with 24V / 5Amp relay output contacts
- Input can be configured as NO / NC or self confirmation of output
  (Programmable via P-9910 handheld programmer)
- Two part plug-in construction with base mounted termination allows easy installation and connection
- Intelligent interface can be addressed and plugged in to base at time of commissioning
- Electronically addressed
- LPCB Listed

Techincal Specifications

- Standard: EN 54-18
- Operating Voltage: 24VDC Loop (16V~28V), 24VDC Power Supply
- Operating Current:
  - Loop: Standby Current 1mA, Alarm Current 3mA
  - Power Supply: Standby Current 2mA, Alarm Current 15mA
- Wiring: Non-polarized two-core for loop
  - Non-polarized two-core for 24VDC power supply
- Operating Environment:
  - Temperature: 0~+ 49°C
  - Relative Humidity: 93%
- Dimension: 120 mm x 80mm x 39mm

LPCB

548h (cl-3)

FIREX - UK

FX9503
Short Circuit Isolator

- Isolates faulty part of the loop in the event of a short circuit
- Automatically reset once the fault has been cleared
- LED status indicator
- LPCB Listed

Techincal Specifications

- Operating Voltage: 24VDC Loop (16V~28V)
- Operating Current:
    - Monitor Current: 3mA
    - Action Current: 15mA
- Operating Environment:
    - Temperature: 0~+ 49°C
    - Relative Humidity: 93%
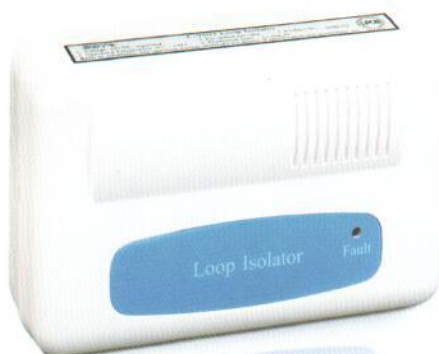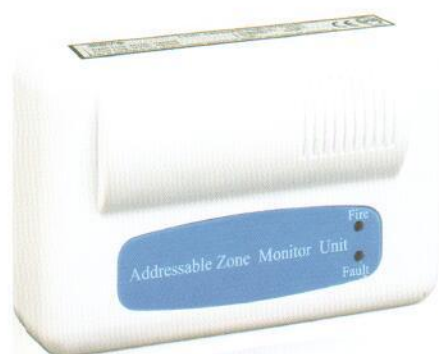- Dimensions: 120mm x 80mm x 39mm

548n-(cl-3)

FX9319I
Addressable Zone Monitor Unit

- Interfaces with conventional fire detection equipment / panels etc.
- Can connect up to 15 detectors with Active EOL or up to 25 detectors with Resistor EOL
- Ideal for integrating Sprinkler Zone Valve and Flow Switches
- Electronically addressed
- LPCB Listed

Techincal Specifications

- Operating Voltage: 24VDC Loop (16V~28V), 24VDC Power Supply
- Operating Current (loop):
    - Loop: Standby Current: 0.5mA, Alarm Current: 60mA
    - Power Supply: Standby Current: 10ma, Alarm Current: 60mA
- Capability: 15 conventional detectors
- End of Line: 4.7kΩ resistor or AEOL
- Operating Environment:
    - Temperature: -10~+ 50°C
    - Relative Humidity: 95%
- Dimension: 120mm x 80mm x 43mm

548m-(cl-3)

FX200
Intelligent Fire Alarm Control Panel

Single loop addressable fire detection panel packed with features not usually associated with smaller systems, providing a high quality solution at exceptionally good value.
- Loop capacity 235 intelligent devices
- 30 Logical configurable zones
- Graphical LCD Display
- Zone indication and manual intervention panel
- Net-workable with all Firex intelligent fire panels
- Programmable from PC
- Built-in RS485 repeater output (Maximum 10 repeaters)
- Optional GMC system, fireman's control panel and panel printer
- Advanced user friendly programming software including "Fuzzy Logic"
- LPCB Listed

Techincal Specifications

- Power Supply: 230VAC, 50/60Hz
- Operating Environment:
    Temperature: -0 ~+40°C
    Relative Humidity: 95%
- Dimensions: 400mm x 560mm x 182mm

LPCB

548j/cl-2

FX200-2
Intelligent Fire Alarm Control Panel

Two loop addressable fire detection panel packed with features not usually associated with smaller systems, providing a high quality solution at exceptionally good value.
- Loop capacity 477 intelligent devices
- 60 logical configurable zones and Optional Fireman's Control Panel
- PAS and Acknowledge Function
- Dirty Detector Reporting and Test Function
- 30 Zone indication and manual intervention panel
- Net-workable with all Firex intelligent fire panels
- Programmable from PC and Graphical LCD Display
- Built-in RS485 mimic and repeater output (Maximum 10 repeaters)
- Advanced user friendly programming software including 'Fuzzy Logic'
- LPCB Listed

Techincal Specifications

- Standard: EN54 Part 2/4
- Main Input Voltage: 220 ± 10% VAC 50/60 Hz
- Input Current Rating: 0.500A
- System Operating Voltage: 24 VDC Nominal (21-27 VDC)
- Loop Capacity: Loop 1:235 ;loop 2:242(Address)
- Sounder Circuits (3):
    Fire Alarm Output: 500mA /24Vdc/NO-NC
    F.P.E. Output: 500mA /24Vdc/NO-NC
    Sounder Circuit Output: 500mA /24Vdc/NO-NC
- Dimension: (HLW) 580mm x 420mm x 202mm

LPCB
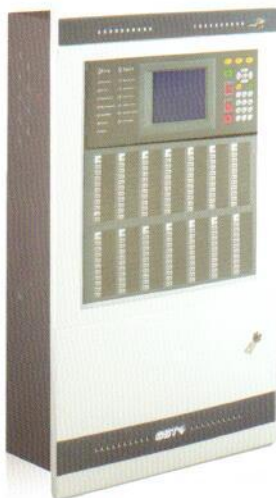
548p (cl-5)

FIREX - UK

FX-IFP8
Intelligent Fire Alarm Control Panel

Eight loop addressable fire detection panel packed with features not usually associated with smaller systems, providing a high quality solution at exceptionally good value.

- 8 x Loops (242) capacity (1936) addressable points
- Maximum 10 Loops Standalone
- Modular constructed for future expansion
- 40 x15 lines Colour Graphical LCD Display.
- Up to 999 programmable zones and 140 zone indication
- Auto Programming Day and Night Mode
- Enable and Disable function and possitive alarm sequnce and duplicate address checking
- Dirty Detector Reporting and Duplicate Address Checking
- Walk Test Function with optional silent mode
- Programmable form PC or Panel
- History record-999 fire incident only
  plus 999 event capacity in non-volatile memory
- Advanced user friendly programming software including 'Fuzzy Logic'.
- Networked with all Firex Intelligent Fire panels (up to 240)
- Optional Fiber Optic and LAN Network Interface
- Optional RS 485 mimic and repeater
- Optional RS 232-USB CRT interface, including GMC graphic
- Built in Fire Alarm, FPE, Fault and Alarm Router output
- Panel Printer included
- Built in Battery charger
- LPCB Listed

LPCB

548p (cl-5)

Techincal Specifications

- Standard: EN54 Part 2/4
- Main Input Voltage: 220 ± 10% VAC 50/60 Hz
- Input Current Rating: 1Amphere
- System Operating Voltage: 24 VDC Nominal (20-27 VDC)
- Loop Capacity: Loop 1-10 : 242- Address per loop
- Zone Capacity: 999 Zones programmable
- Sounder Circuits (3):
    Fire Routing: 200mA /24Vdc/4.7KΩ EOLR
    F.P.E. Output: 500mA /24Vdc/4.7KΩ EOLR
    Sounder Circuit Output: 1A /24Vdc/4.7KΩ EOLR
- Dimension: 850mm x 191mm x 850mm

FX9102
Conventional Optical Smoke Detector

- Aesthetically pleasing low profile design
- Twin LED for 360° vision
- With Remote Indicator output
- Removable optical chamber for easy cleaning and maintenance
- LPCB Listed

Techincal Specifications

- Standards: EN 54-7
- Operating Voltage: 24VDC (12~28VDC)
- Operating Current:
    Standby Current: 0.06mA
    Alarm Current: 30mA
- Operating Environment:
    Temperature: -10~+50°C
    Relative Humidity: 95%
- Dimensions: Diameter 100mm, Height 56mm (with base)

LPCB
548d-(cl-3)

FX9103
Conventional Dual Heat Detector

- Fixed Temperature and Rate of Rise Heat Detection
- Aesthetically pleasing low profile design
- With Remote Indicator output
- Twin LED for 360° vision
- LPCB Listed

Techincal Specifications

- Standard: EN 54-5
- Operating Voltage: 24VDC (12~28VDC)
- Operating Current:
    Standby Current: 0.06mA
    Alarm Current: 30mA
- Operating Environment:
    Temperature: -10 ~+50°C
    Relative Humidity: 95%
- Alarm Temperature: 58°C
- Dimensions: Diameter 100mm, Height 58mm (with base)
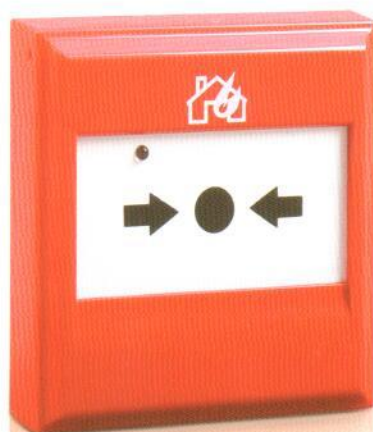
LPCB
548c-(cl-3)

FIREX - UK

FX9403
Conventional Sounder and Strobe

- High intensity LED cluster beacon
- Two parts construction with base mounted terminal allow easy installation
- LPCB Listed

Techincal Specifications

- Operation Voltage: 24VDC (18~28VDC)
- Operating Current:
  - Standby Current: 0mA
  - Alarm Current: 65mA
- Sounder Output: Depend on the tones
- Wiring: 2-core polarized
- Operating Environment:
  - Temperature: -10~+ 50°C
  - Relative Humidity: 95%
- Dimension: Φ110mm x 97.5mm

548e (cl-3)

FX9204
Manual Call Point

- Re-settable (non-breaking glass) via special key
- Friendly installation and test
- Wiring before termination
- Semi-flush mount installation
- Optional back-box for surface mount
- Stylish pleasing design
- LPCB Listed

Techincal Specifications

- Standard: EN 54-11
- Protection Rating: IP43
- Operating Voltage: 24VDC (12~28VDC)
- Operating Current:
  - Standby Current: 0mA
  - Alarm Current: 30mA
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Application: Indoor use
- Dimensions: 87 x 87.5 x 58 mm, Surface Mount
  - 87 x 87 x 23.5 mm, Flush Mount

548g (cl-3)

LPCB

548g (cl-3)

FX9201
Conventional Manual Call Point

- Re-settable (non-breaking glass) via special key
- Friendly installation and test
- Two part plug-in construction with base mounted termination allows easily installation and connection
- LPCB Listed

Techincal Specifications

- Standard: EN 54-11
- Operating Voltage: 24VDC Loop
- Operating Current:
  Standby Current: 0mA
  Alarm Current: 30mA
- Operating Environment:
  Temperature: -10~+50°C
  Relative Humidity: 95%
- Application: Indoor use
- Dimensions: 95 X 98 X 40 mm

FX102A

FX104A

FX108A

FX116A

LPCB
LOSS PREVENTION CERTIFICATION BOARD

548p (cl-2)

FX102A / FX104A / FX108A / FX116A
Conventional Fire Alarm Panel Series

- 2 / 4 / 8 / 16 zone conventional fire alarm panels
- Both End of Line Resister and Active End of Line can be used
- Day/night mode selected
- Zone isolate control
- Key-control evacuation over-ride
- Repeater output available
- Fire alarm output for remote alarm
- Class change terminal for remote control
- Active EOL enables multiple alarm reporting from same zone
- Active EOL max 15 fire detectors and infinite manual buttons each zone
- Resistor EOL up to 25 detectors and infinite manual buttons each zone
- Optional relay output board
- LPCB Listed

Techincal Specifications

- Standard: En54 Part 2 / 4
- Approvals: LPCB
- Power Supply: 230VAC 50/60Hz
- Operating Environment:
  - Temperature: 0~+40°C
  - Relative Humidity: 95%
- Dimension 210mm x297mm x 90mm

FX1

FX2

FX4

FX8

FX16

LPCB

548p (cl-2)

FX1 / FX2 / FX4 / FX8 / FX16
Conventional Fire Alarm Panel Series

• 1 / 2 / 4 / 8 / 16 zone conventional fire alarm panels
• Both End of Line Resister and Active End of Line can be used
• Day/night mode selected
• Zone isolate control
• Key-control evacuation over-ride
• Repeater output available
• Active EOL enables multiple alarm reporting from same zone
• Active EOL max 15 fire detectors and infinite manual buttons each zone
• Resistor EOL up to 25 detectors and infinite manual buttons each zone
• Optional relay output board
• LPCB Listed

Techincal Specifications

• Standard: En54 Part 2 / 4
• Approvals: LPCB
• Power Supply: 230VAC 50/60Hz
• Operating Environment:
    Temperature: 0~+40°C
    Relative Humidity: 95%
• Dimension 380mm x 320mm x 95mm

FIREX - UK

FX9101I Intelligent
Combined Optical/Heat Detector

FX9102I Intelligent
Optical Detector

FX9103I Intelligent
Dual Heat Detector

FX9503   Short
Circuit Isolator

FX9204I
Manual Call Point

FX93001 Addressable
Input Module

FX9403I Addressable
Sounder and Strobe

FX9301I Addressable
Single Input/Output Module

FX-IFP8 Eight Loops
Intelligent Fire Alarm Control Panel

LPCB

FX9403   Conventional
Sounder & Strobe

FX9403   Conventional
Sounder & Strobe

FX9101   Conventional
Optical/Heat Detector

FX9102   Conventional
Optical Detector

FX9202   Conventional
Manual Call Point

Active End of Line

FX9101   Conventional
Optical/Heat Detector

FX9103   Conventional
Heat Detector

FX9202   Conventional
Manual Call Point

Active End of Line

FX116A Sixteen Zones
Conventional Fire Alarm Control Panel

FIREX - UK