FIREDEX 4200

- Competitive system
- Choice of 2 or 4 zone panels
- Simple “one-shot” auto-reset user test facility
- Complies with EN54
- Programmable fire/fault output relay
- Zone/sounder circuit disabling for easy maintenance
- Supplied complete with battery and end of line devices

Easy to install and use, the Firedex 4200 series of conventional fire panels delivers basic fire detection and alarm facilities at exceptional value for money. Designed with smaller installations in mind, a choice of 2 or 4 zone compact panels are available, each capable of having up to 20 detectors connected per zone. End of line devices for both detector and alarm circuits are conveniently supplied as standard. Firedex 4200 systems are also easy to use, with a simple “one-shot” test facility to ensure regular mandatory testing can be quickly and regularly accomplished. Other standard features, such as class change, zone or sounder circuit disabling and programmable relay output facilities complete a highly competitive solution.

SYSTEM OVERVIEW

- Basic fire detection and alarm system, suitable for smaller installations
- Choice of 2 zone or 4 zone panels
- Supplied complete with battery for 24 hour standby. Battery charger has temperature compensation as standard

USER INTERFACE

- Attractive compact panel with simple 5 button keyboard control of all functions
- Simple "one-shot" weekly user test with auto-reset facility
- Comprehensive power, fire and fault LED indicators and integral piezo buzzer for on-board fire or fault indication
- Battery high/low voltage alarm facility

DETECTION CAPACITY

- Up to 20 detectors per zone. End of line monitoring devices must be fitted and are supplied as standard
- Detector circuits are monitored for open circuit, short circuit and detector removal

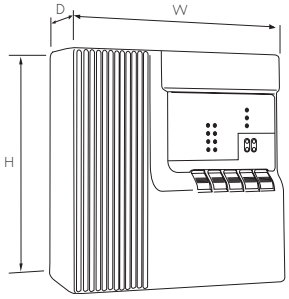
ALARM CAPACITY

- Two separate alarm lines, with a maximum rated load of 150mA (2 zone) or 400mA (4 zone) per circuit
- Alarm lines are monitored for open circuit and short circuit faults

SYSTEM FUNCTIONALITY

- Normal and supervisor mode facility. Supervisor mode protected by 4 digit security code to prevent unauthorised use
- Supervisor mode provides access to test mode, where a "one-shot" test facility can be initiated by the user. When in operation, the user has a short period of time in which to put a call point into fire condition, after which the system automatically resets and returns to normal mode
- Commissioning walk test feature permits the system to be easily tested after installation. The panel automatically resets and returns to normal operation after a detection device has been tested. Each device can then be tested in turn via the same procedure
- Supervisor mode also provides facility to disable the following for maintenance or other purposes
  - each detection zone independently
  - the alarm circuits
  - the fire/fault output

DIMENSIONS



H (mm)	W (mm)	D (mm)
300	300	74

INTERFACE OPTIONS

- Class change input facility. Terminals provided for switching of alarm circuits to indicate school/college class change
- Programmable 5A 24V DC relay for remote signalling of fire or fault conditions, selectable by jumper link
- Auxiliary 24V DC output power supply provided as standard

INSTALLATION NOTES

- A full set of installation instructions is supplied with each panel to assist the installer to carry out maintenance work efficiently and safely and for the user to perform routine tests
- Panels are wall mounted via keyhole slot mounting holes on back of housing
- Mains power supply cable must be routed via the designated 20mm conduit entry on the top or bottom of the housing, or via the rear cable entry slot. The mains terminal block is provided with fuse protection
- A total of 10 x 20mm conduit entries are provided on the top of the housing for zone, alarm and output cables. Blanking plugs are supplied for un-used entries
- Standby battery connected via push-on terminal connectors
- End of line (EOL) devices are supplied with the panel and must be fitted at the end of each detector and alarm circuit
- Front cover retained by anti-tamper screws
- See page 136 for full details of system design
- Cooper Lighting and Security offer a commissioning, service and maintenance facility. Please contact the Service Department - Tel: 01302 303352, E-mail: service@cooper-ls.com

Multiple top entry cable gland facilities

TECHNICAL SPECIFICATION

Standards	EN54-2:1998 & EN54-4:1998 EN50130-4:1996 EN500081-1:1992 & EN61000-2-2:1994
Number of zones	2 - FX4202 4 - FX4204
Detectors per zone	20
Number of alarm lines	2
Alarm circuit load	2 zone - 150mA per circuit. 300mA total 4 zone - 400mA per circuit. 800mA total
End of line devices	Detection circuits: EOLM-1 monitoring unit Alarm lines: 6.8K⏐ resistor
Auxiliary fire signal/fault output	5A 24V DC single pole changeover contacts
Auxiliary DC output	24V DC fused. 30mA
Mains input voltage	230V AC +10%-15%
System operating voltage	24V DC
Standby duration	24 hours
Battery	1 x 3.2AH sealed lead acid battery
Recharge period	24 hours
Panel construction	ABS/Polycarbonate housing. Steel back box.
Cable entries	Top: 10 x 20mm conduit entries Bottom: 1 x 20mm conduit entry (mains cable) Back: 1 x mains cable entry slot
Environmental rating	IP30. -5°C to +40°C. Humidity 75% max (non-condensing)

SYSTEM ANCILLARIES

Callpoints
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Conventional sounders
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Detectors
Page 82

Beam detector
Page 94

CATALOGUE NUMBERS

Cat. No.	Number of zones	Standby duration (hrs)	Weight (kg)
FX4202	2	24	4.8
FX4204	4	24	4.8