



Description

The EF-FT15 is a unique 15 pipe high sensitivity air-sampling smoke detection system, capable of sampling from up to 15 individual, identifiable areas or cabinets simultaneously. The system uses unobtrusive, easy to install 6mm O.D. microbore flexible tubing to transport smoke to the detector, enabling fast and efficient installation - particularly in difficult to access, aesthetic or architecturally restricted locations. Depending upon application, pipes can be left open-ended or terminated with high quality, attractive, flush chrome-plated or colour coded sampling points.

Unlike conventional air-sampling systems, the EF-FT15 uses an enhanced rotary vane vacuum pump to draw air from the protected areas, making the system ideal for use in applications where high air-flows or differential pressures are present. The wide, dynamic range of the internal laser detector enables the product to be configured for use in many different environments at various levels of sensitivity.

Depending upon application, the product can be supplied with or without internal power supply and batteries, a variety of interface cards/relays for connection to external services, together with the option to control or monitor the system remotely using localised RS485 repeater stations and/or a TCP/IP link.

Features

- EN54-20 approved
- Unobtrusive microbore pipe-work
- Easy to install
- Minimum disruption to building fabric and appearance
- Up to 15 individual, identifiable pipes/areas per detector
- Localised central detector for ease of maintenance
- Sampling pipes individually fault monitored
- Early warning detection
- Wide sensitivity range: 0.001 to 20% obscuration per metre
- 4 programmable alarm thresholds per pipe/channel

Typical Applications

- Historic houses, museums & art galleries
- Residential buildings
- Individual rack/cabinet protection in EDP applications
- EDP rooms and voids
- Prison cells and custody suites
- Atria
- Telecoms
- Clean rooms
- Inaccessible areas
- Locked or security controlled areas
- Tamper-proof applications

Mechanical	
Sampling Pipe Inlets	15 channel
Detectors	Integrated mass particle detection nephelometer
Sampling Pipe	Microbore (6mm O.D. 4mm I.D.)
Sampling Pipe Length	50m (max) per pipe.
Exhaust Air Pipe Outlet	Single 8mm
Electrical	
Supply Voltage	Nominal 24Vdc (18 to 30Vdc). Optional internal 240 or 110V PSU
Operating Current	1.49A max @ 24Vdc, 300mA @ 240Vac
Display	LCD, calibrated LED bargraph, multiple condition/status LED indicators
Control	Local and/or remote
Configuration	Panel front, remote membrane and/or RS232 PC Connection
Relay Outputs	5 Common + 20 optional programmable (5 x 4-way cards)
Flow Monitoring	Different pressure sensor
Cable Terminals	Removable, rising clamp, 2.0mm wire maximum
Environmental	
Operating Temperature	-10 to +55°C
Recommended det. ambient	0 to 39°C
Operating Humidity	10 to 95% (non condensing)
Operating Background Noise	Typically 54 dBA @ 1m
IP Rating	IP30
General	
Sensitivity	0.001 to 20% obscuration per metre
Aspirator	High pressure 0.8 bar rotary vane vacuum pump
Alarm Levels	4 - Programmable per channel (Alert, Action, Fire 1, Fire 2)
Alarm Delay	Individually programmable for each level (1-60 seconds)
Communications	RS485, RS232, MODbus, Ethernet TCP/IP
Filtration (Standard Internal)	Replaceable 2-part cartridge dust particle
Housing Material	Galvanised steel back chassis with ABS outer cover
Mounting	Upright with batteries fitted. Horizontal possible without batteries
Weight	14kg
Dimension (W x H x D)	490 x 355 x 200mm
Equipment Approvals	EN54-20, CE, VdS, CPD
Ordering Information	
EF-FT15-DT	82-226, 15 pipe 24Vdc, display/programmer, TCP/IP
01-EP02-02	82-410, internal mains PSU/charger, 230Vac
02-FL53	82-621, replacement internal filter, coarse
02-FL56	82-622, replacement internal filter, fine

