High sensitivity air sampling detection

• EN54-20 certified

CE certified according to CPD

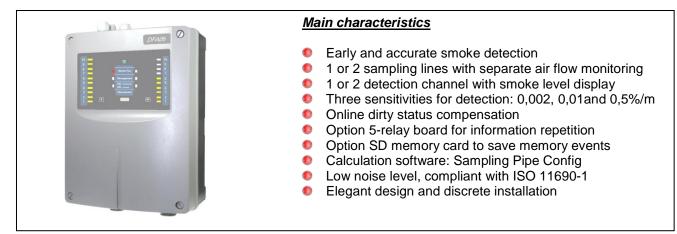
DFA05 is a high sensitivity air sampling detector. It takes continuous air samples via one or two sampling pipe tube networks, then supply the samples to one or two smoke sensors. Thanks to this detection method and the product's excellent properties under severe ambient conditions, DFA05 aspirating smoke detector is used wherever problems are to be expected related to a **difficult access** to a monitored area or other variable disturbance so optimal protection can no longer be guaranteed with regular fire detectors.

DFA05 exists in **1 or 2 smoke detection zones**. Each zone is monitored by the means of an aspirating system and a smoke analysing detector. Two ranges of sensitivity are available for the detectors: **0,002%/m to 10%/m** and **0,002%/m to 10%/m**, according to the class of fire detection to fulfil.

DFA05 is perfect used for high buildings, false ceiling or floor, high risks areas (laboratories, computer rooms), discrete installation (Prisons, museums)...

Optional 5-relay interface module and memory card module for memory events storage are also available.

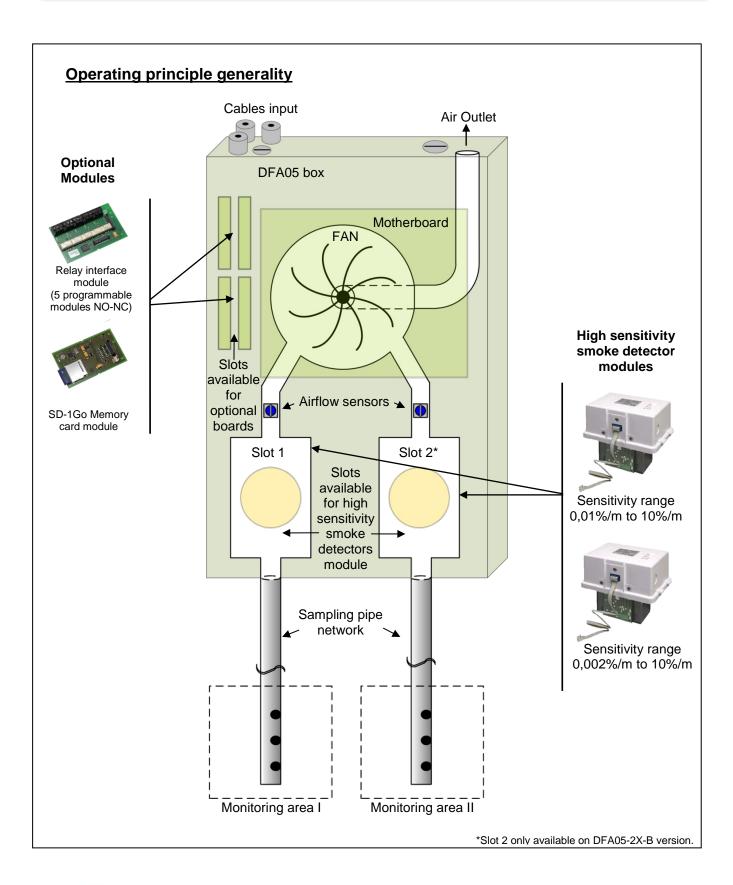
The configuration of the device and the pipe network design can be done through a complete set of software: **Sampling Pipe Config** engineering software for **calculation** allowing to **engineer EN54-20 compliant systems**; **DFA05 Config** software for the direct connection and configuration of the DFA05 device with a computer.



Power supply specification		
	DFA05-1 detector	DFA05-2 detectors
Main supply voltage	10,5 to 30 VDC	
Nominal	24V	
Fault	260 mA	290 mA
Alarm	310 mA	385 mA
Additional RIM35	7 mA (per optional board)	
Additional MCM35	10 mA (per optional board)	
	Mechanical characteristics	
Unit weight	max. 3.850 Kg	
Unit dimensions (in mm)	265 x 348 x 146 mm	
Unit row material and color	ABS Blend / Grey - anthracite violet	
Noise level (at fan speed level 3)	43 dB	
IP rating	54	
	Climatic characteristics	
Detector housing temperature range	-20 to +60°C	
Max approved temperature fluctuation	20°C	
	(fluctuation between sampling pipe and housing)	
Ambient pressure difference	Must be identical (from housing to sampling pipes environment)	
Detector housing humidity	95 % rel.hum. without condensation (ambient condition)	
Humidity ambient temperature	70 %rel.hum.	
	General characteristics	
Detector sensitivity range	0,002%/m, 0,01%/m or 0,5%/m	
Display	Leds for alarm, fault, dirty status and 10 level of smoke status	
Relay contacts	Fault, Alarm line 1, Alarm line 2 or freely programmable (50 VDC, 1A, 30W)	
Communication port	USB	



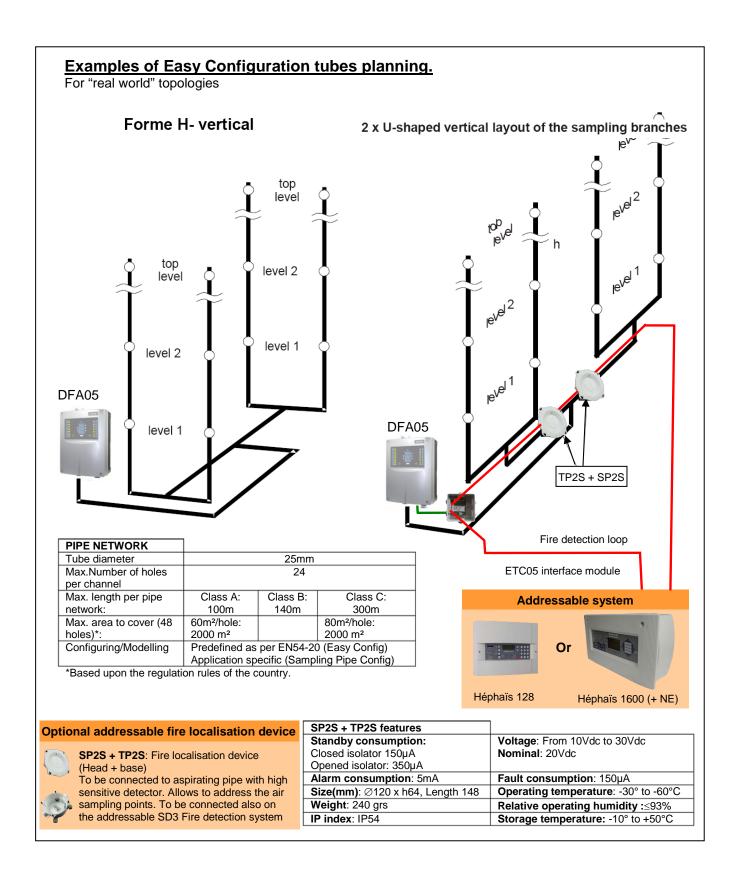
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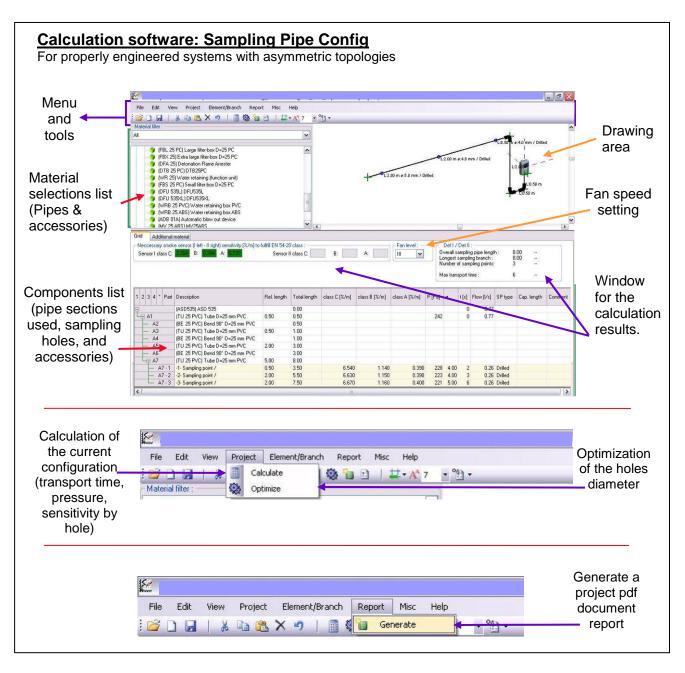
CFA05

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REFERENCE

SSD 535-1

SSD 535-2

SSD 535-3

RIM35

MCM35

SMM535

DESCRIPTION

DFA05-1C-B (DFA05-3) Conventional single channel high sensitivity detector base with smoke level indicator DFA05-2C-B (DFA05-4) Conventional dual channel high sensitivity detector base with smoke level indicator DFA05-1C (DFA05-1) Conventional single channel high sensitivity detector base DFA05-2C (DFA05-2) Conventional dual channel high sensitivity detector base High sensitivity smoke detector module, alarm sensitivity range 0,5%/m to 10%/m High sensitivity smoke detector module, alarm sensitivity range 0,01%/m to 10%/m High sensitivity smoke detector module, alarm sensitivity range 0,002%/m to 10%/m Relay interface module SD-1GO Memory card module Box for network, interface between network and computer Sampling Pipe Config System design software Programming software



DFA05 Config

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