



## Product Data Sheet

# DF450

FlexPI indoor processor in rugged plastic enclosure

The FlexPI is an intrusion detection sensor for the protection of building interiors. It adapts the proven strain sensitive cable technology to the specialized requirements of indoor security applications.

The indoor security system designed to function with the wide range of surfaces and materials encountered when protecting structures such as walls, ceilings, roofs, stock cages, floors and pipes.

The FlexPI can provide cost effective protection for warehouses, banks, vaults, ammunition bunkers, weapon storage facilities and a variety of commercial and industrial establishments. Because the FlexPI sensing element is a low-profile simple coaxial cable, it can be easily mounted on, or in, walls, ceilings, roofs and false floors.

The sensor cable can be attached directly to these surfaces, or it can be installed in conduit attached to the surfaces to be protected.

One signal processor can monitor up to 600 meters of sensor cable with a consistent sensitivity.

The FlexPI sensor cable is fully supervised against cutting and shorting. It carries a minute supervision current of 5 micro amps and, therefore, is intrinsically safe and can be used in hazardous environments.



### Standard Features

- Detects shock, impact and sustained attack
- Used on walls, roofs, ceilings, stock cages, floors and pipes
- Microphonic technology
- Selectable frequency response
- Up to 1,115 m2 coverage per zone
- Built-in calibration indicator
- Can be configured using DIP switches or UCM software via USB
- Low power consumption

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## Specifications

Power input	12 to 48 VDC
Power consumption	1 W maximum
Outputs:	2 form C relay outputs 30 VDC @ 1 A maximum, non-inductive load
Alarm	Form C, 0.5 A, 30 VDC
Supervision	Form C, 0.5 A, 30 VDC
Audio	Form C, 0.5 A, 30 VDC
Controls	Calibration adjustments via the Universal Configuration Module (software application)
	Calibration adjustments via onboard switches
	Adjustable filter settings - frequency response
Supervision / self-test	Monitoring of the sensor cables to detect opens and shorts
	Cover tamper switch
Dimensions (W x H x D)	
PCB	12 x 9 cm (4.7 x 3.5 in.)
Box	17 x 16.5 x 4.7 cm (6.7 x 6.5 x 1.9 in.)
Gross weight	362.9 gr
Operating temperature	-10 to +70°C
Relative humidity	0 to 95%, non-condensing

## Ordering Information

Part No.	Description
DF450	FlexPI indoor processor in rugged plastic enclosure
DF851	Outdoor microphonic sensor cable for FlexPS and FlexPI, 300m
DF852	Non-sensitive lead-in cable for microphonic sensor cable, 30m roll
DF860	Plastic Tiewrap for Microphonic cable - 1000 Pcs
DF863	Splice and Terminator Kit for microphonic cable (DF851)
DF950-CM	Universal Configuration Module (UCM) Software kit with interface cable

