

"Always deliver more than expected. " — Larry Page

TRUSTED PARTNER OF



COMPLETE FIRE AND SMOKE DAMPER CONTROLS

More advanced.

Incredibly simplified.

Infinitely flexible systems.



Unit 23, Second Avenue, Cookstown Ind. Est., Tallaght, Dublin 24, D24 FP95. Ph: +35314634300 www.airmovementsupplies.ie





Monitoring and controlling system for fire dampers, smoke control dampers and shutters





"We're all working together, that's the secret. " — Sam Walton

TRUSTED PARTNER OF



COMPLETE FIRE AND SMOKE DAMPER CONTROLS

CONTENTS





What's ZENiX and why?



Dedicated fire and smoke control(ling) system:

To monitor and control fire dampers and smoke control dampers

Every motorized and remotely activated damper needs to be controlled Activation of non-mechanical dampers depend on the controlling system

Allows monitoring of all dampers

Automation of functions





Rf-Technologies

ZENiX-100 controller



Heart & brains of the system:

- ✓ Onboard software ZENiX Webtool
- ✓ Start (and end) of the bus line
- ✓ Up to 100 field devices per ZENiX-100
- ✓ Up to 1000m per ZENiX-100
- ✓ Multiple ZENiX-100 in a single network
- ✓ Integrated ethernet port (RJ45)
- ✓ Integrated BACnet IP gateway
- ✓ LEDs (3)
- ✓ 2 potential free digital inputs
- ✓ 2 relay outputs (125V AC 60W)
- ✓ Nominal voltage 230V
- ✓ DIN-rail mounting possible

ZENiX system at a glance

ZENiX is a full-fledged monitoring and controlling system for fire dampers, smoke control dampers and shutters, for inputs and outputs

Unique:

ZENIX-100

ONE-X: integration of field device into fire damper actuator ZENiX-100 preprogrammed direct integration solution

Scalable:

For small and large buildings From a simple fire scenario to a full matrix solution

Flexible:

Stand alone system or integrated to a BMS





ZENiX: features, benefits & USP's

Fire damper actuator with integrated field module

ONE-X: available in 24V & 230V versions

- ✓ Integrated field module: save installation time & reduce risk wiring errors
- ✓ Mounted (pre-assembled) on the fire damper
- ✓ Integrated solution saves installation space
- ✓ No addressing, no configuration required
- ✓ Common IP54 protection



Fire damper actuator with integrated field module

Rf-Technologies

ONE-X:

- ✓ 3 cables: bus in, bus out and power
- ✓ Bus in / bus out: 4 colored wires (red, black, yellow, white)
- ✓ Option: pre-assembled IP68 wire to wire connections (option CN)
- ✓ Integrated fusible link passive fire safety even without power
- ✓ Lowest power consumption on the market energy and cost savings
- ✓ 3 LEDs: showing status (red), bus communication (blue) and faults (yellow)





ZENiX: features, benefits & USP's

Bus communication and protocol

- > 4-colored connectors for easy wiring (type KNX red, black, yellow, white)
- > High noise immunity: more stable communication
- High noise immunity: no need for more expensive braided and shielded bus cables
- > Own bus power: read out damper positions even if dampers are not powered
- Own bus power: power on the dampers not required when executing the data point check
- All participants have a predefined address no addressing or configuration required







CONTROLLER

The ZENiX-100 controller (master), part of the ZENiX controlling system, is designed to monitor and control fire dampers and smoke control dampers and shutters, as well managing digital inputs and outputs. Each controller can handle up to 100 field units. Several ZENiX-100 controllers can be connected in a single network, allowing the ZENiX controlling system to be implemented in the largest buildings.

The ZENiX-100 can be used with a pre-programmed basic fire scenario, but also to program elaborate multiple scenarios (matrix) if required.

It can be used as a stand alone solution or can be integrated to the building management system via a BACnet IP connection.



TECHNICAL DATA

ELECTRICAL DATA	
Nominal voltage	AC 230 V 50/60 Hz
Nominal voltage range	AC 100 230 V
Power consumption	24 W
Wire sizing	25 VA
Connections	Power supply terminal 3 x max. 1.5 mm ² Bus terminal 2 x 4 x max. 1.5 mm ² wire (4 colored wire)
Integrated digital inputs	2 x potential free digital inputs (4 terminals, wires min. 0.5 mm ² to max. 1.5 mm ²)
Integrated relay output	2 x binary outputs (6 terminals, wires min. 0.5 mm ² to max. 1.5 mm ²) – NO/NC relays (125 V AC – 60 W)
Integrated Ethernet port	Ethernet 10/100 Mbps port – RJ45 connector with transformer
Integrated USB port	USB type C – port for basic set-up and service, under the top cover
CLASSIFICATIONS	
CE	CE according to EN 50491-5-2 :2010 General requirements for home and building electronic systems and building automation and control systems.
EMC	CE according to 2004/108/EC – EN 61000-6-1; EN 61000-6-2 ; EN 61000-6-3
Low-voltage-directive	CE according to 2006/95/EC
Ambient humidity range	Compliance to EN 60730-1 max. 95 % RH
Ambient temperature range	0 +50 °C
Non-operating temperature	−40 +85 °C
Maintenance	Maintenance-free
DIMENSIONS / WEIGHT	
Dimensions	DIN-rail mounting – 162 mm length. 162 x 90 x 62 mm
Weight	400 g



PRODUCT FEATURES

Field devices	Can monitor up to 100 ZENiX field devices (some field devices can control more than one element). Typical applications include controlling fire dampers, smoke control dampers and shutters and DI/DO modules.
Inputs/outputs	The ZENiX-100 has two digital inputs dedicated for connection with the fire detection system. Two 125V AC 60W NO/NC output relays are triggered by the digital inputs, programmable
Bus length	Up to 1000 m
Bus topology	Ring or line
Bus wiring	Bus wiring requires a 4-wired cable (preferably 2 x 2x 0.8 mm ²). 2 wires are used for the bus communication (yellow COM+, white COM-) and 2 wires for the bus powering (red POW+, black POW-)
Incorporated leds	3 incorpated LEDs for bus, alarms and errors monitoring
Automatic device recognition	The ZENiX-100 automatically identifies and addresses field devices during the data point check
Precommisionning	Only power to the ZENIX-100 is required for the wiring check and field devices identification. Permanent monitoring through own powering of the bus
Wire check	Detection and localisation of wiring mistakes if any
Integrated software	The ZENiX Webtool software is directly available on the ZENiX-100 module. Scenarios can be directly integrated on the controller
Preprogrammed	2 integrated potential free digital inputs allow for an automatic alarm generation on the bus, launching a preprogrammed basic scenario. Inputs are connected to the fire detection/alarm panel.
Programming	Via the ZENiX webtool, the ZENiX programming tool and the use of digital input modules (ZENiX DI12 for ex.) it is possible to generate a full matrix, including priorities, multiple alarm levels, conditional alarms etc.
Direct or remote access	The ZENiX Webtool allows for direct or remote changes to scenarios, alarms, naming, testing etc.
Functions	Naming of connected dampers and devices; Possibility to run full tests of individual dampers or groups of dampers and devices; Implementation of periodical tests, results stored in reports; cascade system with priority alarms
Bms connection	BMS connection via integrated BACnet IP gateway
Predict rtc	Integrated real time clock (for use in stand alone mode)
Output solutions	The ZENiX-100 controller allows for output on panel PC solutions, LED-boards, integration into BMS etc.
Large system	Multiple ZENiX-100 or other ZENiX controllers can be combined, sharing alarms and matrix





ELECTRICAL INSTALLATION (SEE PAGE 13)



DIMENSIONS AND MOUNTING ON DIN RAIL





- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Caution: Power supply voltage!
- It may only be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities must be observed during assembly.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Rf-Technologies

If the product is manipulated in any other way than described, Rf-Technologies will decline any responsibility and the guarantee will immediately expire!



Installation: process & steps

Step 1: Installation of the field devices

- 1. Integrated ONE-X on the damper
- 2. ZENiX field devices (fire or smoke dampers and shutters) wiring to the actuator
- 3. ZENiX field digital input devices wiring to the input

Step 2: Bus installation

- Starting from the ZENiX-100 controller
- Up to 100 field devices per ZENiX-100
- Up to 1000m per ZENiX-100
- Preferably ring topology, line possible

Bus cable: 4-wired non-shielded cable

- Max wire size 1.5mm²
- Preferably 4 colours (red (POW+), black (POW-), yellow (COM+), white (COM-))
- For ex. KNX-cable 2x2x0,8mm²

Step 3: Connection to the ZENiX-100 controller

- 1. Powering the ZENiX-100 controller (230V)
- 2. Start-up ZENiX Webtool on connected laptop
- 3. Data point check: identification all participants on the bus and validation of cabling

Step 4: Development and launch of fire safety program

- 1. Pre-programmed fire damper scenario OR
- 2. Programming of scenario-based matrix
- 3. Pre-commissioning: testing the program

Step 5: Visualization and output options

- 1. Connection to BMS via BACnet IP output on ZENiX-100
- 2. Panel PC with touchscreen and ZENiX View visualization software
- 3. LED panel





ZENiX Webtool

ZENiX input/output modules options

ZENIX DI12

- Monitor up to 12 potential free digital inputs
- Predefined address no configuration required
- ✓ LEDs indicate status input
- ✓ Suited for DIN-rail mounting



ZENiX Webtool



ZENIX DI8DO4

- Monitor up to 8 potential free digital inputs and control 4 digital relay outputs
- Predefined address no configuration required
- ✓ LEDs indicate status DI/DO
- ✓ Suited for DIN-rail mounting
- ✓ Operating software of the ZENiX system
- ✓ Pre-installed on the ZENiX-100
- ✓ Data point check, including localization of wiring mistakes
- ✓ Pre-programmed basic fire scenario, triggered by digital inputs
- Control and monitoring of the system according to the programmed scenarios

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ZENIX Application version: 5.0.0						Welcome, user Ring na	me: r1 Date and time: Thursday, January	r 1, 1970 1:2 Login
	Bus Network							
888 Bus Network	Show Elements 🗢 INPUTS 🗹	OUTPUTS 🗹 DAMPERS 🗹	-					
/8/ Zones								
Macnet Objects	1	02	I	02	0	01	0	01
🛕 Alarms 🕶	di_r1_01_1		di_r1_01_2		do_r1_02_1		do_r1_02_2	
IP Settings	F	1	F 12	2	S s1	3		





Cabling

BUS CABLING

- Commands and monitoring by ZENiX-100 via bus communication to all participants
- Bus powering (24V), generated by the ZENiX-100, allows for continuous monitoring of field devices, even if power on the field devices is down

EXTERNAL POWER

- External power required on field devices for motorized dampers and shutters to activate the actuator (re-arming)
- All field devices powered with 230V.
- Depending on the field devices actuators can be 24V(ST) of 230V.





ZENiX View - solutions

ZENiX View HPC Panel PC

- ✓ High-performance panel PC with sleek design
- ✓ Available in 15- or 21,5-inch touchscreen
- ✓ All around IP65 stainless steel housing
- ✓ Fanless cooling and solid-state drive for long term reliability



✓ Wall-mounting available



ZENiX View Software

- Real time visual monitoring of dampers, shutters, inputs and outputs, alarms...
- ✓ Upload of building maps (floors) for localization
- ✓ Programming by Rf-t included
- Suited for installation on panel PC

ZENiX Programming tool and services

ZENiX Programming tool allows:

- ✓ Programming complex scenarios, according to a pre-defined matrix
- ✓ Fire compartmentation, smoke control programs, ...
- ✓ Multiple zoning
- ✓ Multiple priority levels
- Programming inputs, including physical, conditional and programmed inputs
- Programming outputs according to requirements
- Programming services provided by Rf-t



Rf-Technologies

hematec HIPEC-PRO-VA-17X0





- Hygienic and sturdy stainless steel housing
- All around IP65 protection
- Powerful Intel Core i5 or i7 CPU of the 6th generation
- Flush-mounted touchscreen without "dirt edge" (resistive or PCT glass multi-touch)
- Display sizes from 12" to 27"
- Optional integrated 100 240V (AC) power supply protected
- Optional Wi-Fi, Bluetooth, extended temperature range, high-brightness











Flat



Hard disk quick-change frame



Industrial connectors



Variable cable gland



Optional barcode scanner





hematec

Touch-screen panel Specifications

	HIPEC-PRO-VA-17X0
Processor	Intel 6th Gen. Core i5-6300U (2 × 2.40 - 3.00 GHz) CPU, optional Intel Core i7-6600U (2 × 2.60 - 3.40 GHz) CPU
RAM	4GB DDR3 RAM, expandable to max. 16GB
Mass storage	12" 1 x Half-Size 1.8" SSD, 15" - 27" 1 x 2.5" HDD/SSD
I/O connectors	1 x power input, 1 x RS-232/422/485, 1 x RS232, 2 x GB-LAN, 4 x USB 3.0, 1 x DisplayPort, 1 x audio, external connections: 1 x voltage input, 2 x COM, 2 x GB-LAN, 3 x USB, 3.0 via industrial connectors, alternatively variable cable gland with IP65 protection
Expansion slots	1 × Mini-PCIe
Display versions	12" 1024 x 768 px, 500 cd/m² 19" 1280 x 1024 px, 350 cd/m² 15" 1024 x 768 px, 400 cd/m² 21.5" 1920 x 1080 px, 250 cd/m² 15.6" 1366 x 768 px, 300 cd/m² 27" 1920 x 1080 px, 350 cd/m² 18.5" 1366 x 768 px, 300 cd/m² 27" 1920 x 1080 px, 350 cd/m²
Touchscreen	HIPEC-PRO-VA-17X0: Resistive touchscreen HIPEC-PRO-VA-17X0-P: PCT glass multi-touch, 7H surface hardness
Dimensions (WxHxD)	12"357 × 295 × 58.7 mm19"498 × 404 × 68.7 mm15"405 × 328 × 64.7 mm21.5"588 × 380 × 68.7 mm15.6"438 × 288 × 64.7 mm27"695 × 433 × 69 mm18.5"490 × 315 × 68.7 mm7"695 × 433 × 69 mm
Environmental conditions	0°C ~ 50°C, 10 - 90% not condensing at 40°C
Power input	12 ~ 24V DC, optional 100 - 240V AC power supply integrated
Housing	Stainless steel housing (V2A)
Mounting	VESA mounting
IP-Rating	All sides IP65
Supported operating systems	Windows 7, Windows 7 embedded, Windows 8.x, Windows 10, Windows 10 IoT, Linux/Unix
Supported communication buses	USB, RS232/RS422/RS485, EtherCAT, PROFIBUS*, SERCOS*, DeviceNET*, CANopen*, etc* (* optional)
Certifications	CE, UL
Additional product options	Wi-Fi, Bluetooth, extended temperature range, high-brightness



ZENiX fire damper modules

ZENiX 1FD

- ✓ Monitor and control 1 fire damper 230V (BFLT230, BFTN230...)
- Predefined address no configuration required
- ✓ LEDs
- ✓ IP54 casing





ZENiX 2FD

- ✓ Monitor and control 2 fire dampers 230V (BFLT230, BFTN230...)
- Predefined address no configuration required
- ✓ LEDs
- ✓ IP54 casing

ZENiX smoke damper modules

ZENiX 1SD

- ✓ Monitor and control 1 smoke damper 230V (BLE230, BE230, BEN230...)
- Predefined address no configuration required
- ✓ LEDs
- ✓ IP54 casing





ZENIX 1SDST

- Monitor and control 1 smoke damper 24V with ST-plugs (BLE24ST, BE24ST, BEE24ST...)
- ✓ Predefined address no configuration required
- ✓ LEDs
- ✓ IP54 casing





Technical data sheet ZENiX 1FD

FIELD UNIT FOR 1 FIRE DAMPER

- Connects 1 fire damper to the bus
- Provides a terminal connection for a 230V actuator, such as ONE T 230, BFL(T)230, BFN(T)230...
- Has a predefined address (no addressing required during system commissioning)
- AC 230 V mains power



TECHNICAL DATA

ELECTRICAL DATA	
Nominal voltage range	AC 100 265 V
Maximal current through power terminal	10 A
For wire sizing	18 VA
Power consumption from mains	Actuator consumption + 25 mW
Power consumption from bus	5 mW
Connecting	Power supply terminal 2 x 3 x max. 2.5 mm ² Actuator output terminal, 6 x 1.5 mm ² Actuator power supply terminal, 2 x 1.5 mm ² Bus terminal 2 x 4 x 1.5 mm ² wire
Wire stripping length	10 mm
SAFETY	
Protection class	Class II (all insulated)
Degree of protection	IP54
EMC	CE according to 2004/108/EC
Low-voltage-directive	CE according to 2006/95/EC
Rated impulse voltage	2.5 kV
Control pollution degree	3
Type of action	Type 1
Software class	A
Ambient humidity range	max. 95 % r.H., non condensing
Ambient temperature range	−20 +60 °C
Non-operating temperature	−40 +85 °C
Maintenance	Maintenance-free
DIMENSIONS / WEIGHT	
Dimensions	154 x 114 x 77 mm
Weight	400 g

PRODUCT FEATURES

Control of ONE fire damper actuator	ZENiX 1FD is used for controlling one 230 V fire damper actuator. The unit is connected to the ZENiX controller module via a 4 wire bus communication.
Predefined address	Each unit has a predefined addres, no addressing required.
Work without 230 V	ZENiX 1FD unit is able to work without 230 V: it will only send data about actuator position to the ZENiX controller but will not be able to re-arm the fire damper.



WIRING AND RESOURCES



DIMENSIONS AND MOUNTING



SAFETY NOTES



- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Caution: Power supply voltage!
- It may only be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities must be observed during assembly.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.





Technical data sheet ZENiX 2FD

FIELD UNIT FOR 2 FIRE DAMPERS

- Connects up to 2 fire dampers to the bus
- Provides a terminal connection for two 230V actuators, such as BFL(T)230, BFNT230...
- Has a predefined address (no addressing required during system commissioning)
- AC 230 V mains power



TECHNICAL DATA

ELECTRICAL DATA	
Nominal voltage range	AC 100 265 V
Maximal current through power terminal	10 A
For wire sizing	24 VA
Power consumption from mains	Actuator consumption + 50 mW
Power consumption from bus	5 mW
Connecting	Power supply terminal 2 x 3 x max. 2.5 mm ² Actuator output terminal, 2 x 6 x 1.5 mm ² Actuator power supply terminal, 2 x 3 x 1.5 mm ² Bus terminal 2 x 4 x 1.5 mm ² wire
Wire stripping length	10 mm
SAFETY	
Protection class	Class II (all insulated)
Degree of protection	IP54
EMC	CE according to 2004/108/EC
Low-voltage-directive	CE according to 2006/95/EC
Rated impulse voltage	2.5 kV
Control pollution degree	3
Type of action	Type 1
Software class	A
Ambient humidity range	max. 95 % r.H., non condensing
Ambient temperature range	−20 +60 °C
Non-operating temperature	−40 +85 °C
Maintenance	Maintenance-free
DIMENSIONS / WEIGHT	
Dimensions	154 x 114 x 77 mm
Weight	400 g

PRODUCT FEATURES

Control of fire damper actuators	ZENiX 2FD is used for controlling up to two 230 V fire damper actuators. The unit is connected to ZENiX controller via the 4 wire bus communication.
Predefined address	Each unit has a predefined address, no addressing required.
Work without 230 V	ZENiX 2FD unit is able to work without 230 V: it will only send data about actuator position to the ZENiX controller and will not be able to re-arm the fire damper.



WIRING AND RESOURCES



DIMENSIONS AND MOUNTING



SAFETY NOTES

- $\underline{\mathbb{N}}$
- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
 Caution: Power supply voltage!
- It may only be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities must be observed during assembly.
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- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.





FIELD UNIT FOR 1 SMOKE CONTROL DAMPER

- Connects 1 smoke control damper to the bus
- Provides a terminal connection for a 230V actuator, such as a BLE230, BEN230...
- Has a predefined address (no addressing required during system commissioning)
- AC 230 V mains power



TECHNICAL DATA

ELECTRICAL DATA	
Nominal voltage range	AC 100 265 V
Maximal current through power terminal	10 A
For wire sizing	18 VA
Power consumption from mains	Actuator consumption + 50 mW
Power consumption from bus	5 mW
Connecting	Power supply terminal 2 x 3 x 2.5 mm ² Actuator output terminal, 2 x 6 x 1.5 mm ² Actuator power supply terminal, 2 x 3 x 1.5 mm ² Bus terminal 2 x 4 x 1.5 mm ² wire
Wire stripping length	10 mm
SAFETY	
Protection class	Class II (all insulated)
Degree of protection	IP54
EMC	CE according to 2004/108/EC
Low-voltage-directive	CE according to 2006/95/EC
Rated impulse voltage	2.5 kV
Control pollution degree	3
Type of action	Type 1
Software class	A
Ambient humidity range	max. 95 % r.H., non condensing
Ambient temperature range	0 +60 °C
Non-operating temperature	−40 +85 °C
Maintenance	Maintenance-free
DIMENSIONS / WEIGHT	
Dimensions	154 x 114 x 77 mm
Weight	400 g

PRODUCT FEATURES

Control of one smoke control damper actuator	ZENiX 1SD is used for controlling one 230 V smoke damper actuator. The unit is connected to the ZENiX controller module via a 4 wire bus communication.
Predefined address	Each unit has a predefined address, no addressing required.
Work without 230 V	ZENIX 1SD unit is able to work without 230 V: it will only send data about actuator position to the ZENIX controller and will not be able to change the position of the smoke damper.





WIRING AND RESOURCES



DIMENSIONS AND MOUNTING



SAFETY NOTES



- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Caution: Power supply voltage!
- It may only be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities must be observed during assembly.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

If the product is manipulated in any other way than described, Rf-Technologies will decline any responsibility and the guarantee will immediately expire!





Software and programming

The ZENiX Webtool software is included and pre-installed on the ZENiX-100 controller. The software serves both for the programming of the (fire) scenarios and for monitoring, controlling, and testing components.

The ZENiX-100 controller is supplied

with an onboard pre-programmed fire scenario. Via one or two physical inputs on the controller, the scenario can be triggered, and the dampers and other components can be brought to their safety position. No programming is required, only cabling and connection to the output (alarm) of the fire alarm system.

DETECTION

Basic fire scenario

•••••

ZENiX-100

ZENIX WEBTOOL

....



- ✓ Saving installation time and greater ease of installation thanks to the ONE-X fire damper actuator with integrated field module
- ✓ Stable communication: requirements for the bus cabling are limited thanks to the high noise immunity. No need for expensive braided and shielded cables.
- ✓ Automatic detection by the master of the preaddressed modules. No addressing or configuration is required.
- ✓ Innovating bus technology:
 - quick and easy data point check on (parts of) the network: devices do not need a power supply to validate the bus communication.
 - the 24V power supply via the bus allows for a permanent monitoring of all participants, even if not powered (anymore)
 - the controller can detect possible wiring mistakes, locate them and specify on which wire it is

- ✓ Low voltage (24V) on the bus: quick and simplified cabling possible
- ✓ Scalable system: from a basic fire scenario to a complete matrix with physical and conditional alarms, multiple priority levels...
- ✓ Flexible solution:
 - it is easy to add, remove or replace a field device thanks to the automatic addressing
 - suited as a standalone solution or integrated into the building management system (BMS)
- ✓ Supports many different visualisation solutions: using a LED-panel, a panel PC with a touchscreen, via the BMS...
- ✓ Rf-Technologies offers support at every step: planning, start-up, data point check, commissioning.







AMS/Rf-t Partnership





AMS Air Movement Supplies has teamed up with **Rf-Technologies**, one of the largest manufacturers in Europe, to promote their extensive range of CE marked fire and smoke rated dampers.

The company employs 170 people in its two sites in Belgium (headquarters) and Slovakia. **Rf-Technologies** solutions are designed and approved for all types of walls: vertical and horizontal, in concrete or lightweight materials. They are compliant with the most stringent local and European standards. In it's pioneering role in the field of compliance with international standards, **Rf-Technologies** has been testing it's products according to the European test criteria since 2004.

This union of resources between **AMS** and **Rf-t** will offer more choice than any other supplier or distributor in Ireland and the UK. **Rf-t** are the first to bring intelligent motors to the Irish market, eliminating the need for an additional field module. It's wiring, along with many other progressive features, has erased the need for costly engineers.

For any queries, please contact us at sales@airmovementsupplies.ie.

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ZENiX



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The pessimist complains about the wind.

The optimist expects it to change.

The leader adjusts the sails. " — John Maxwell

