



# VIREx, TRC05Ex, OC05Ex, DMC05Ex, AVSEx, MBA95Ex, SBEx BZ1, BZ2, BZ3

## Intrinsically safe version detectors

*All our intrinsically safe version detectors are ATEX certificated*

**Compatible with many fire detection panels, the intrinsically safe range gives a solution for detection in explosion hazard area. Designed to cover the risks of fire in dangerous atmosphere, intrinsically safe range detectors allows an early detection of smoke (OC05Ex), heat (TRC05Ex), flame (VIREx). Management of manual call point (DMC05Ex) or sounder (AVSEx) is also insured through respectively SBEx BZ1, BZ2 and SBEx BZ3. The whole system is connected to fire detection panel through the module MBA95Ex for analogue panels and directly on the detection line (compatible with intrinsically systems) for conventional panels. Earthing and voltage chopping are insured by zener barrier SBEx for all systems.**



**VIREx Infra-red flame detector:** Double infrared sensor which permit to measure the exclusive presence of CO2 signature from visible flame. It needs a dedicated base SVEX.

Weight/dimension: 125g (with base)/104 x 41	Operating voltage: 15-28Vdc
IP rating: 20	Quiescent current: 515µA (24Vdc)
Area coverage: ±45°/Dmax 25m	Alarm current: 26mA (24Vdc)

*CE 0081 II 1 G Eex Ia IIC T6/LCIE O3 ATEX 6349 X*



**TRC05Ex Heat detector:** - Static heat detector 60°C ± 5°C  
- Rate of rise detector ΔT° > 9°C/min

Weight/dimension: 110g (with base)/104 x 55	Operating voltage: 10-28Vdc
IP rating: 32	Quiescent current: <150µA
Area coverage: 30m <sup>2</sup> (Hmax: 7m / Dmax: 4m)	Alarm current: 24mA ± 2mA

*Number of certification: 0333 CPR 075 429-1*



**OC05Ex Optical smoke detector:** Photo electric light scattering (Tyndall effect).  
White and clear visible smoke (covering fire).

Weight/dimension: 130g (with base)/104 x 55	Operating voltage: 10-28Vdc
IP rating: 32	Quiescent current: <150µA
Area coverage: 60m <sup>2</sup> (Hmax: 12m / Dmax: 6m)	Alarm current: 24mA ± 2mA

*Number of certification: 0333 CPR 075428-1*



**DMC05Ex Manual call point:** Delivered with reset key.

Weight: 180g	Operating voltage: 15-28Vdc
Dimension: 93 x 93 x 62	Quiescent current: 0mA

*CE 0359 II 1 G Eex Ia IIC T4/BAS 00 ATEX 1067*



**AVSEx Sounder:** To be associated with zener barrier SBEx BZ3

Weight: 850g	Operating voltage: 15-28Vdc
Dimension: 130 x 130 x 132	Quiescent current: 0mA

*CE 0359 II 1 G Eex Ia IIC T4/BAS 00 ATEX 1181*



**MBA95Ex addressable zone interface module for intrinsically safe points:** Takes a point address, manages up to 10 intrinsically elements. CE Certified. Isolator embedded. Requires external power supply (24V/0,02A monitored).

Weight: 460g	Operating voltage: 24Vdc ±6V
Dimension: 180 x 140 x 80	Quiescent current: 110mA
IP rating: 55	Max consumption: 230mA

*EN54-17, EN54-18 e EN5413*



**SBEx BZ1 and BZ2 Zener safety barrier:** The SBEx system belongs to the category of electrical systems certified as ensuring intrinsically safety. Dedicated for VIREx, OC05Ex, TRC05REx, DMC05Ex

Weight: 100g	Input voltage: Un=24Vdc
Dimension: 104 x 70 x 12,2	Max current: 110mA
IP rating: 40 (IP 20: connectors)	Cext/Lext/Rint: 0,083µF/1,2mH/278Ω

*CE 0081 II (1/2) G [Eex Ia/Ib] IIC/IIB/PTB 01 ATEX 2088*



**SBEx BZ3 Zener safety barrier:** The SBEx BZ3 system belongs to the category of electrical systems certified as ensuring intrinsically safety. Dedicated for AVSEx

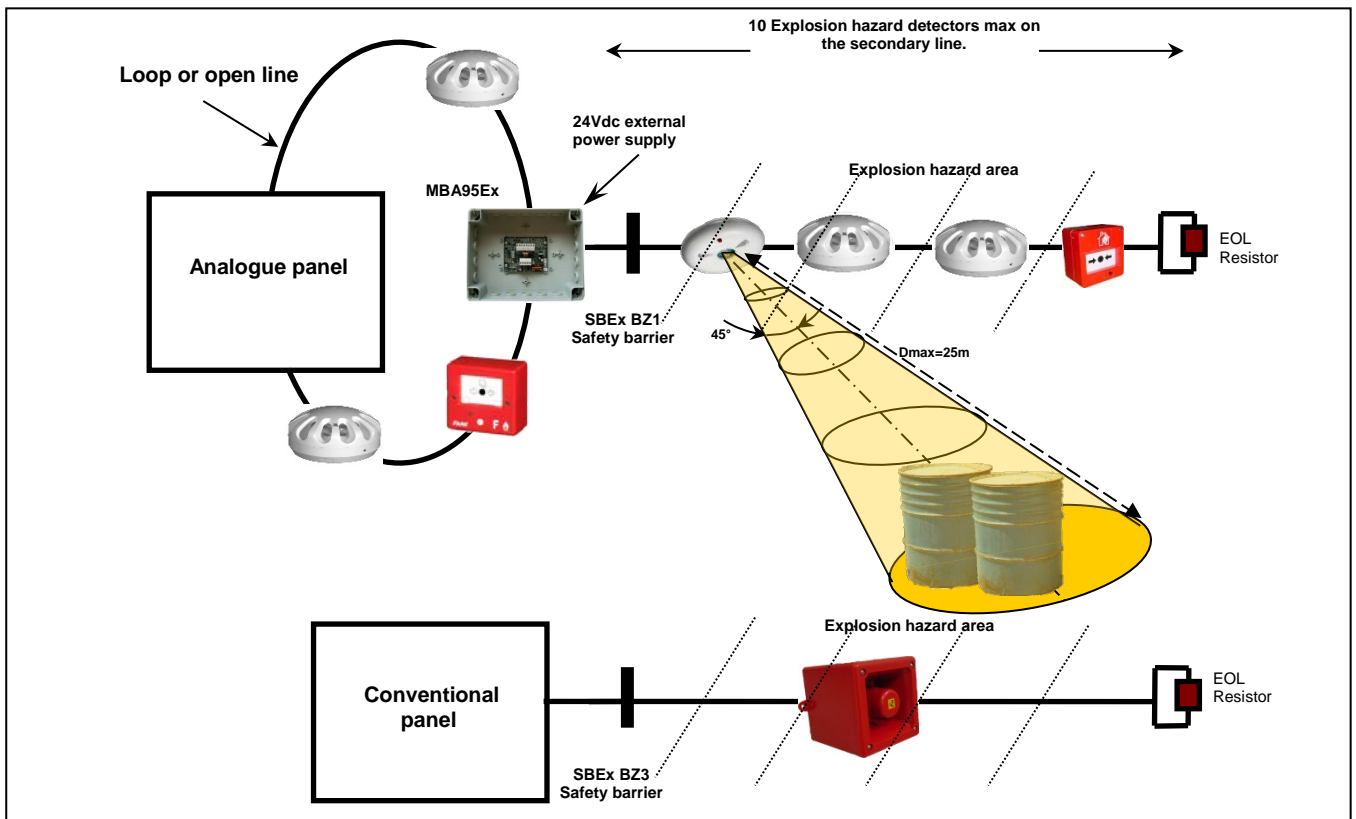
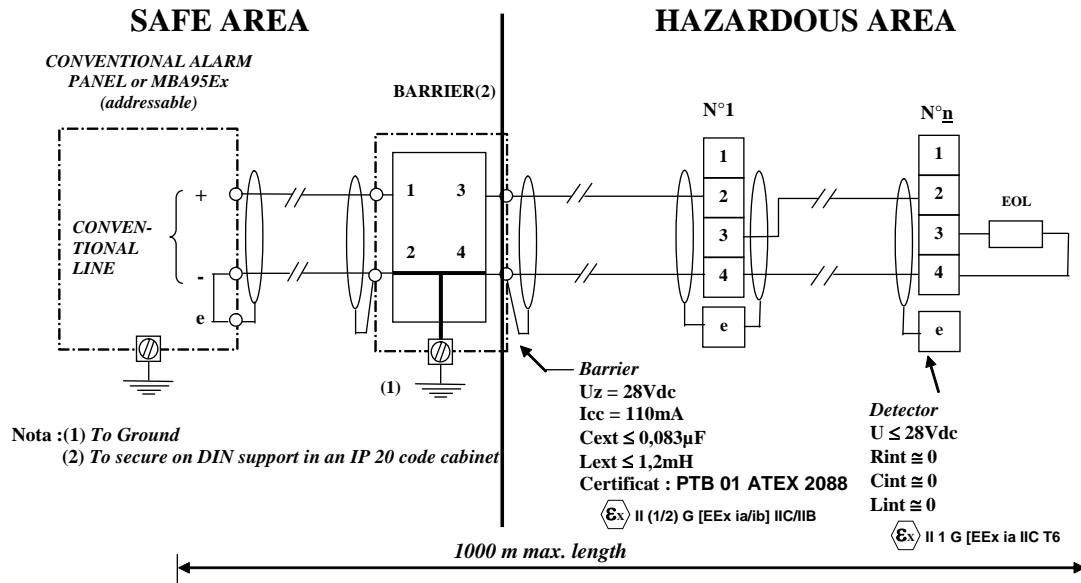
Weight: 120g	Operating voltage: 15-28Vdc
Dimension: 70 x 80 x 10	Quiescent current: 0mA

*CE 0359 II (1) GD [Eex Ia] IIC/BAS 01 ATEX 7005*



# VIREx, TRC05Ex, OC05Ex, DMC05Ex, AVSEx, MBA95Ex, SBEx BZ1, BZ2, BZ3

## Intrinsically safe version detectors



### REFERENCE

VIREX  
 SVEX  
 TRC05Ex  
 OC05Ex  
 S05EX  
 DMC05Ex  
 AVSEx  
 MBA95Ex  
 SBEX BZ1  
 SBEX BZ2  
 SBEX BZ3

### DESCRIPTION

Intrinsically infra-red flame detector  
 Mounting base for VIREX detectors  
 Intrinsically heat detector  
 Intrinsically smoke detector  
 Base for TRC05EX and OC05EX detectors  
 Intrinsically manual call point  
 Intrinsically sounder  
 Addressable intrinsically zone interface module  
 Zener safety barrier for VIREX, OC05Ex, TRC05Ex, DMC05Ex  
 Zener safety barrier opto-isolated for VIREX, OC05Ex, TRC05Ex, DMC05Ex  
 Zener safety barrier for AVSEX

