









## Intrinsically safe version detectors

### All our intrinsically safe version detectors are ATEX certificated

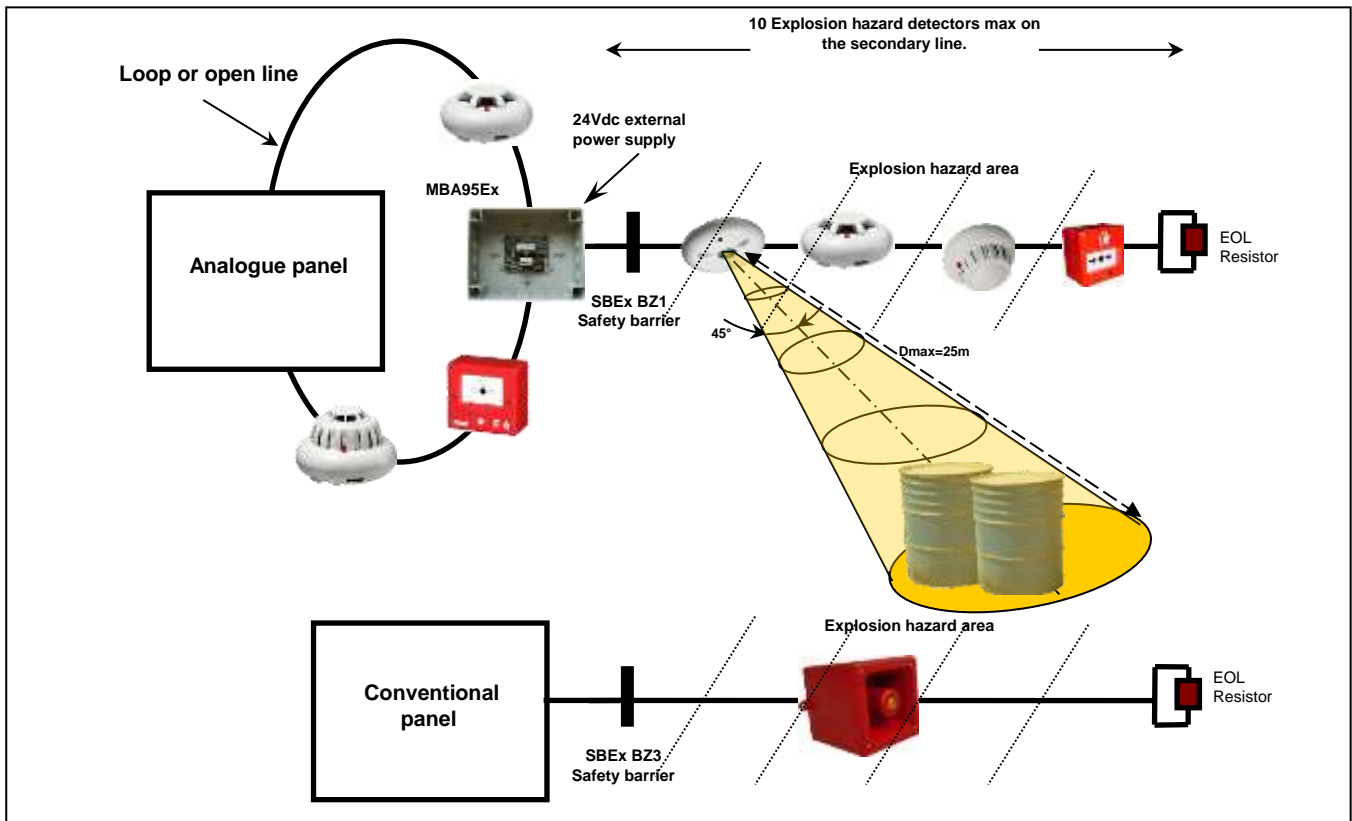
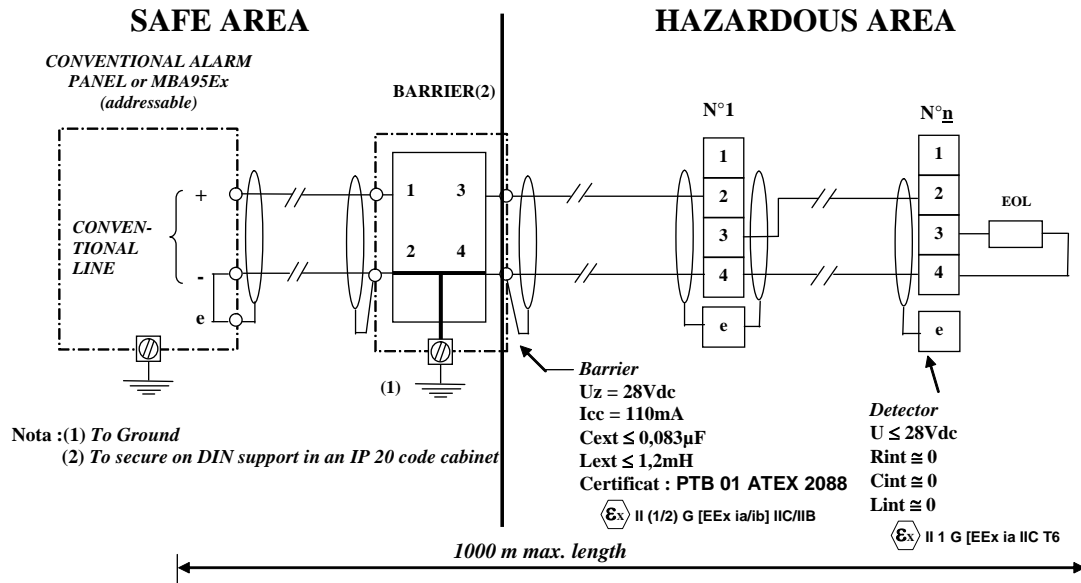
Compatible with many fire detection panels, the intrinsically safe range gives a solution for detection in explosion hazard area. Designed to cover the risks of fire in dangerous atmosphere, intrinsically safe range allows an early detection of smoke (VOEx), heat (VTEx), flame (VIREx) detectors. Management of manual call point (DMEx) or sounder (AVSEx) is also insured through respectively SBEx BZ1 and SBEx BZ3. The whole system is connected to fire detection panel through the module MAY1Ex 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.

	<p><b>VIREx Infra-red flame detector:</b> Double infrared sensor which permit to measure the exclusive presence of CO2 signature from visible flame. Protection for flammable areas.</p>						
<table border="1"> <tr> <td>Weight/dimension: 125g (with base)/104 x 41</td> <td>Operating voltage: 15-28Vdc</td> </tr> <tr> <td>IP rating: 20</td> <td>Quiescent current: 515µA (24Vdc)</td> </tr> <tr> <td>Area coverage: ±45°/Dmax 25m</td> <td>Alarm current: 26mA (24Vdc)</td> </tr> </table>	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)	
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<p><i>CE 0081 II 1 G Eex ia IIC T6/LCIE 03 ATEX 6349 X</i></p>							
	<p><b>VTEx Heat detector:</b> - Static heat detector 59°C (standard), 70°C, or 85°C - Rate of rise detector 9°C/min with 59°C static security (±5°C).</p>						
<table border="1"> <tr> <td>Weight/dimension: 120g (with base)/104 x 46</td> <td>Operating voltage: 12-30Vdc</td> </tr> <tr> <td>IP rating: 32</td> <td>Quiescent current: 120µA (24Vdc)</td> </tr> <tr> <td>Area coverage: 30m<sup>2</sup> (Hmax: 7m / Dmax: 4m)</td> <td>Alarm current: 26mA (24Vdc)</td> </tr> </table>	Weight/dimension: 120g (with base)/104 x 46	Operating voltage: 12-30Vdc	IP rating: 32	Quiescent current: 120µA (24Vdc)	Area coverage: 30m <sup>2</sup> (Hmax: 7m / Dmax: 4m)	Alarm current: 26mA (24Vdc)	
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<p><i>CE 0081 II 1 G Eex ia IIC T6/LCIE 03 ATEX 6350 X</i></p>							
	<p><b>VOEx Optical smoke detector:</b> Photo electric light scattering (Tyndall effect). White and clear visible smoke (covering fire).</p>						
<table border="1"> <tr> <td>Weight/dimension: 160g (with base)/120 x 64</td> <td>Operating voltage: 12-30Vdc</td> </tr> <tr> <td>IP rating: 32</td> <td>Quiescent current: 140µA (24Vdc)</td> </tr> <tr> <td>Area coverage: 60m<sup>2</sup> (Hmax: 12m / Dmax: 6m)</td> <td>Alarm current: 26mA (24Vdc)</td> </tr> </table>	Weight/dimension: 160g (with base)/120 x 64	Operating voltage: 12-30Vdc	IP rating: 32	Quiescent current: 140µA (24Vdc)	Area coverage: 60m <sup>2</sup> (Hmax: 12m / Dmax: 6m)	Alarm current: 26mA (24Vdc)	
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<p><i>CE 0081 II 1 G Eex ia IIC T6/LCI 04 ATEX 6069 X</i></p>							
	<p><b>DMEx Manual call point:</b> Delivered with reset key.</p>						
<table border="1"> <tr> <td>Weight: 180g</td> <td>Operating voltage: 15-28Vdc</td> </tr> <tr> <td>dimension: 93 x 93 x 62</td> <td>Quiescent current: 0mA</td> </tr> </table>	Weight: 180g	Operating voltage: 15-28Vdc	dimension: 93 x 93 x 62	Quiescent current: 0mA			
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<p><i>CE 0359 II 1 G Eex ia IIC T4/BAS 00 ATEX 1067</i></p>							
	<p><b>AVSEx Sounder:</b> To be associated with zener barrier SBEx BZ3</p>						
<table border="1"> <tr> <td>Weight: 850g</td> <td>Operating voltage: 15-28Vdc</td> </tr> <tr> <td>dimension: 130 x 130 x 132</td> <td>Quiescent current: 0mA</td> </tr> </table>	Weight: 850g	Operating voltage: 15-28Vdc	dimension: 130 x 130 x 132	Quiescent current: 0mA			
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<p><i>CE 0359 II 1 G Eex ia IIC T4/BAS 00 ATEX 1181</i></p>							
	<p><b>MBA95Ex addressable zone interface module for intrinsically safe points:</b> Takes a point address, manages up to 10 intrinsically elements. CE Certified. Isolator embedded. Requires external power supply (24V/0,02A monitored).</p>						
<table border="1"> <tr> <td>Weight: 460g</td> <td>Operating voltage: 24Vdc ±6V</td> </tr> <tr> <td>dimension: 180 x 140 x 80</td> <td>Quiescent current: 110mA</td> </tr> <tr> <td>IP rating: 55</td> <td>Max consumption : 230mA</td> </tr> </table>	Weight: 460g	Operating voltage: 24Vdc ±6V	dimension: 180 x 140 x 80	Quiescent current: 110mA	IP rating: 55	Max consumption : 230mA	
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dimension: 180 x 140 x 80	Quiescent current: 110mA						
IP rating: 55	Max consumption : 230mA						
	<p><b>SBEx BZ1 Zener safety barrier:</b> The SBEx BZ1 system belongs to the category of electrical systems certified as ensuring intrinsically safety. Dedicated for VIREx, VTEx, VOEx, DMEx</p>						
<table border="1"> <tr> <td>Weight: 100g</td> <td>Input voltage: Un=24Vdc</td> </tr> <tr> <td>dimension: 104 x 70 x 12,2</td> <td>Max current: 110mA</td> </tr> <tr> <td>IP rating: 40 (IP 20: connectors)</td> <td>Cext/Lext/Rint:0,083µF/1,2mH/278Ω</td> </tr> </table>	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	
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<p><i>CE 0081 II (1/2) G [Eex ia/ib] IIC/IIB/PTB 01 ATEX 2088</i></p>							
	<p><b>SBEx BZ3 Zener safety barrier:</b> The SBEx BZ3 system belongs to the category of electrical systems certified as ensuring intrinsically safety. Dedicated for AVSEx</p>						
<table border="1"> <tr> <td>Weight: 120g</td> <td>Operating voltage: 15-28Vdc</td> </tr> <tr> <td>dimension: 70 x 80 x 10</td> <td>Quiescent current: 0mA</td> </tr> </table>	Weight: 120g	Operating voltage: 15-28Vdc	dimension: 70 x 80 x 10	Quiescent current: 0mA			
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dimension: 70 x 80 x 10	Quiescent current: 0mA						
<p><i>CE 0359 II (1) GD [Eex ia] IIC/BAS 01 ATEX 7005</i></p>							



# VIREx, VTEx, VOEx, DMEx, AVSEx, MBA95Ex, SBEx BZ1, SBEx BZ3

## Intrinsically safe version detectors



REFERENCE	DESCRIPTION
VIREX	Intrinsically infra-red flame detector
VTEX	Intrinsically heat detector
VOEX	Intrinsically smoke detector
DMEX	Intrinsically manual call point
AVSEX	Intrinsically sounder
MBA95EX	Addressable intrinsically zone interface module
SBEX BZ1	Zener safety barrier for VIREX, VOEX, VTEX, DMEX
SBEX BZ3	Zener safety barrier for AVSEX
SVEX	Mounting base for Ex version

