Advanced

Axis EN

Resettable Manual Callpoint - obsolete

The Resettable Call Point is a unique manual call point that mimics the feel of breaking glass whilst offering the user the benefits and environmental advantages of a resettable operating element. It is compatible with most conventional fire alarm systems. They are safe to use in areas where glass cannot be used such as schools, shopping centres and other public places. AS the unit can be simply reset, it also provides an ideal solution for areas that suffer from a high number of false activations such as schools, shopping centres and other public places.

The 'ReSet' uses a simple yet ingenious patented mechanism which consists of a rigid plastic operating element and an over centre spring mechanism. This arrangement provides real action on operation and simulates break glass activation.

An indicator drops into view at the top of the window on activation. The unit is then simply reset with a key and is ready for re-use straight away.

The Call Point has an attractive, high value look and feel: glass appearance maintains operator deterrence, whilst a visible warning flab confirms activation.

Installation

Easy installation due to no glass elements that could be broken or incorrectly fitted. The Call Point can be flush or surface mounted.



Features

- EN54-11 Approved
- Glass appearance maintains operator deterrence
- Positive activation that mimics the feel of breaking glass
- Visible warning flag confirms activation
- Simple key to reset operating element - no broken glass
- No glass elements to break, loose or incorrectly fit during installation
- Complete functional test with every activation
- Extremely attractive, high value look and feel
- Low profile, heavy duty terminations - two built-in resistor values
- Available in Red and Yellow
- Optional integral cover can be fitted to prevent accidental activation.
- Low profile, heavy-duty terminations

Specification

Current Rating	3 Amps 12-24V $_{DC}$
Housing and Mounting Box Material	Polycarbonate
Electrical Contact Material	Silver Plated Brass
Operating Temperature	-10°C to +55°C
Installation Terminal Conductor Size	0.5mm - 2.5mm
Humidity (no condensation)	0 to 95%
Colours	Red and Yellow
Mounting	Flush or surface with back box
Dimensions - flush	87 H x 87 W x 23 D
Dimensions - surface	87 H x 87 W x 58 D
Approvals	EN54-11 Approved

Order Codes and Options

RED	
08-RP-RF2-01	Red Flush Mounted only (series 01 - NO 470R & 680R) EN54-11 with 'House Flame' logo
08-RP-RD2-01	Red Dual mount (series 01 - NO 470R & 680R) EN54-11 with 'House Flame' logo
08-RP-RS2-01	Red Surface mount only (series 01 - NO 470R & 680R) EN54-11 with 'House Flame' logo
YELLOW	
08-RP-YF2-02	Yellow Flush Mount only (Series 02 - SPCO) with 'Gas Release' text
08-RP-YD2-02	Yellow Dual Mount (Series 02 - SPCO) with 'Gas Release' text
08-RP-YS2-02	Yellow Surface Mount only (Series 02 - SPCO) with 'Gas Release' text
08-RP-YF2-11	Yellow Flush Mount only (Series 11 - 2 x SPCO) with 'Gas Release' text
08-RP-YD2-11	Yellow Dual Mount (Series 11 -2 x SPCO) with 'Gas Release' text
08-RP-YS2-11	Yellow Surface Mount only (Series 11 - 2 x SPCO) with 'Gas Release' text
OTHER COLOURS	
08-RP-WD2-02	White Dual Mount (SPCO) with 'Panic Alarm' text
08-RP-GD2-02	Green Dual Mount (SPCO) with 'Running Man' logo
ACCESSORY	
08-RP-K/10	Spare Reset key (pack of 10) - Black

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Axis EN

Remote Indicator - obsolete

The remote indicator unit has been designed for use with either conventional or addressable smoke or heat detectors. The device is used to indicate detection operation in remote or inaccessible locations such as ceiling voids. The unobtrusive low profile sleek design is an attractive warning too for any type of location.

The wide operating voltage range means that these devices can also be used as a visual indicator in security, process control and other general signalling applications.

Units are available with or without 'Fire Detector Operated' text.



Features

- For use with either conventional or addressable detectors
- Sleek design
- High-intensity LEDs
- Wide operating voltage range

Specification

Power Supply	5 to 28V_{DC}
Current	24ma
IP Rating	Indoor
Operating Temperature Range	-10°C to +55°C
Construction	ABS
Weight	50g

Order Codes and Options

No longer available for sale.

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Advanced

Axis EN

Reflective Infrared Optical Beam Smoke Detector - obsolete

The FIRERAY®50/100R series conventional infrared optical beam smoke detectors provide economical and effective protection of large, open plan spaces with high ceilings, particularly if access to 'point type' smoke detectors presents practical difficulties.

Optical beam smoke detectors are ideally suited for protecting warehouses, factories, atria, shopping malls, leisure centres, churches, museums, power stations and industrial plants. The FIRERAY®50/100R optical beam smoke detectors can be connected to a zone of a conventional fire alarm panel, or interfaced to an analogue addressable system via an addressable interface input module or a zone monitor.

The FIRERAY®50/100R has three selectable 'Alarm Thresholds' settings of 25%, 35% and 50% which can be selected to suit the environment.

There are two modes of operation for the fire relay. 'Auto Reset Mode' will reset the fire relay approximately 5 seconds after the received infrared signal has recovered to a level under the alarm threshold. 'Latching Mode' holds the fire relay active indefinitely after an alarm condition has occurred.

If the infrared beam is obscured rapidly by a level of 90% or greater for 10 seconds the fault relay is activated. The fault relay will reset within 5 seconds of the condition being rectified. The FIRERAY®50/100R optical beam smoke detectors monitor long term degradation of beam signal strength caused by the build up of dirt on its optical surfaces. This operates by comparing the received infrared signal against a reference voltage every 15 minutes.



Features

- Combined transmitter and receiver unit in one discrete unit
- Range 5-50 Metres - FIRERAY®50R
- Range 50-100 Metres FIRERAY®100R
- Low current consumption
- Automatic self-check drift compensation
- Selectable sensitivity/threshold levels
- Selectable latching/non-latching fire alarm
- LED indicators to aid the alignment process
- Approvals including EN54-12

Specification

Operating Range	F50RV: 5 to 50 Metres. F100RV: 50 to 100
Operating Voltage Range	$10.2V_{DC}$ to $30V_{DC}$
Quiescent Current	Less than 4mA at 24VDC
Alarm Current	Less than 15mA
Power Down Reset Time	5 Seconds
Relay Contents: **Fire**	Normally Open
Fault	Normally Closed
	(VFCO 2A at $30V_{DC,}$ Resistive)
Operating Temperature	-20° to +55°C (Non-condensing)
Relative Humidity	RH 0% to 93% (Non-condensing)
Detector Dimensions	126 x 210 x 120 (mm) W x H x D
Prism Dimensions	100 x 100 x 9.5 (mm) W x H x D
Weight	0.67Kg

IP Rating	IP50
Approvals/Certification	Designed, manufactured and certified to
CPD Reference	0786-CPD-20045
Housing Construction	Flame retardant ABS. Finish: Grey/Black

Order Codes and Options

08-0206.9:	FIRERAY®50RV Reflective Infrared optical beam smoke detector
08-0206.10:	FIRERAY®100RV Reflective Infrared optical beam smoke detector

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Advanced

Axis EN

Wireless Sounder Base - obsolete

The Wireless Sounder Base activates its output when ordered to do so by the control panel in the event of a fire alarm. The activation command is sent form the control panel to the base sounder through the wire to wireless translator interface module and other possible wireless expander modules.

Communication between the sounder base and the translator / expanders is obtained through the wireless, analogue-intelligent bidirectional Axis EN protocol. The device's radio communication meets EN54-25.

The wireless sounder base is designed to support the installation of Axis EN wireless detectors.



Features

- Up to 200 m communication range
- Approved to EN 54-25

Specification

Operating frequency range	868 MHz
Radiated power	5 dBm (3 mW)
Usable operating frequency channels	7
Radio signal's modulation type	FSK
Communication range	Up to 200 m in open space
Main and secondary battery types	CR123 A (3 V & 1.2 Ah)
Approved battery voltage range	2.75 v - 3.20 V
Alarm current	75 mA
Operating temperature range	From -10°C to +55°C
Maximum tolerated humidity (no condensing)	95% RH
Maximum volume range @ 1m - selectable	between 70 dBa and 95 dBa at maximum volume depending on angle and tone selection
Device output tone's frequency range	440 Hz to 2900 Hz
IP rating	21
Dimensions	120 x 52 mm
Weight	150 g

Order Codes and Options

20-SGRBS100-ADV:	Wireless Sounder Base

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Advanced

Axis EN

Wireless Sounder Base with Visual Indicator - obsolete

The Wireless Sounder Base with Visual Indicator activates its output when ordered to do so by the control panel in the event of a fire alarm. The activation command is sent form the control panel to the base sounder through the wire to wireless translator interface module and other possible wireless expander modules.

Communication between the sounder base and the translator / expanders is obtained through the wireless, analogue-intelligent bidirectional Axis EN protocol. The device's radio communication meets EN54-25.

The sounder is equipped with a supplementary visual indicator which reinforces the audible warning.

The wireless sounder base is designed to support the installation of Axis EN wireless detectors.



Features

- Up to 200 m communication range
- Approved to EN 54-25

Specification

Operating frequency range	868 MHz
Radiated power	5 dBm (3 mW)
Usable operating frequency channels	7
Radio signal's modulation type	FSK
Communication range	Up to 200 m in open space
Main and secondary battery ty pes	CR123 A (3 V & 1.2 Ah)
Approved battery voltage range	2.75 v - 3.20 V
Alarm current	110 mA
Number of LEDs	Two - red and green
Operating temperature range	From -10°C to +55°C
Maximum tolerated humidity (no condensing)	95% RH
Maximum volume range @ 1m - selectable	between 70 dBa and 95 dBa at maximum volume depending on angle and tone selection
Device output tone's frequency range	440 Hz to 2900 Hz
IP rating	21
Dimensions	145 x 66 mm
Weight	260 g

Order Codes and Options

20-SGRBS100-AV-ADV:	Wireless Sounder Base with Visual Indicator

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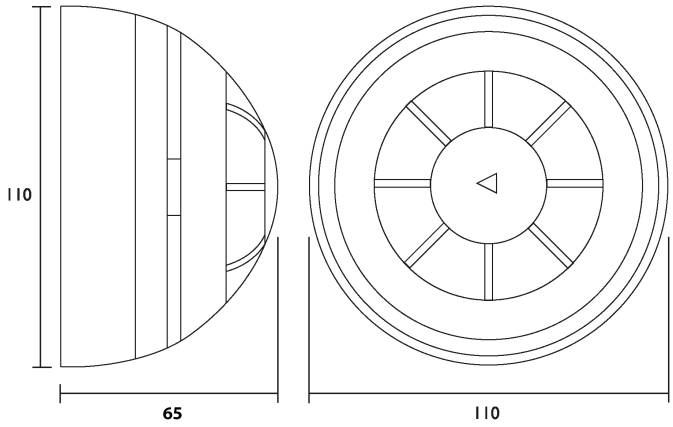
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Intrinsically Safe Wireless Optical Smoke Detector - obsolete

The Intrinsically Safe Wireless Optical Smoke Detector is a fully intelligent device which is compatible with our Wireless Translator and Expander Modules and has been approved for use in Category 1, 2 or 3 hazardous atmospheres. Its fully wireless capability means it requires no special wiring or barriers, making installation quick, safe and cost effective.

Our wireless detectors are third party approved to EN54 and utilise the latest cutting-edge technologies and features. The well-proven adaptive radio signal processing algorithms combined with the latest optical detection chamber design ensure the highest levels of life safety and system reliability.





Features

- ATEX & IECEx Type Approved
- ATEX Code: Ex II 1G
- Bi-directional wireless communication
- Certified to EN54
- Up to 3 year battery life
- Uses standard low-cost lithium battery
- Quick and safe installation

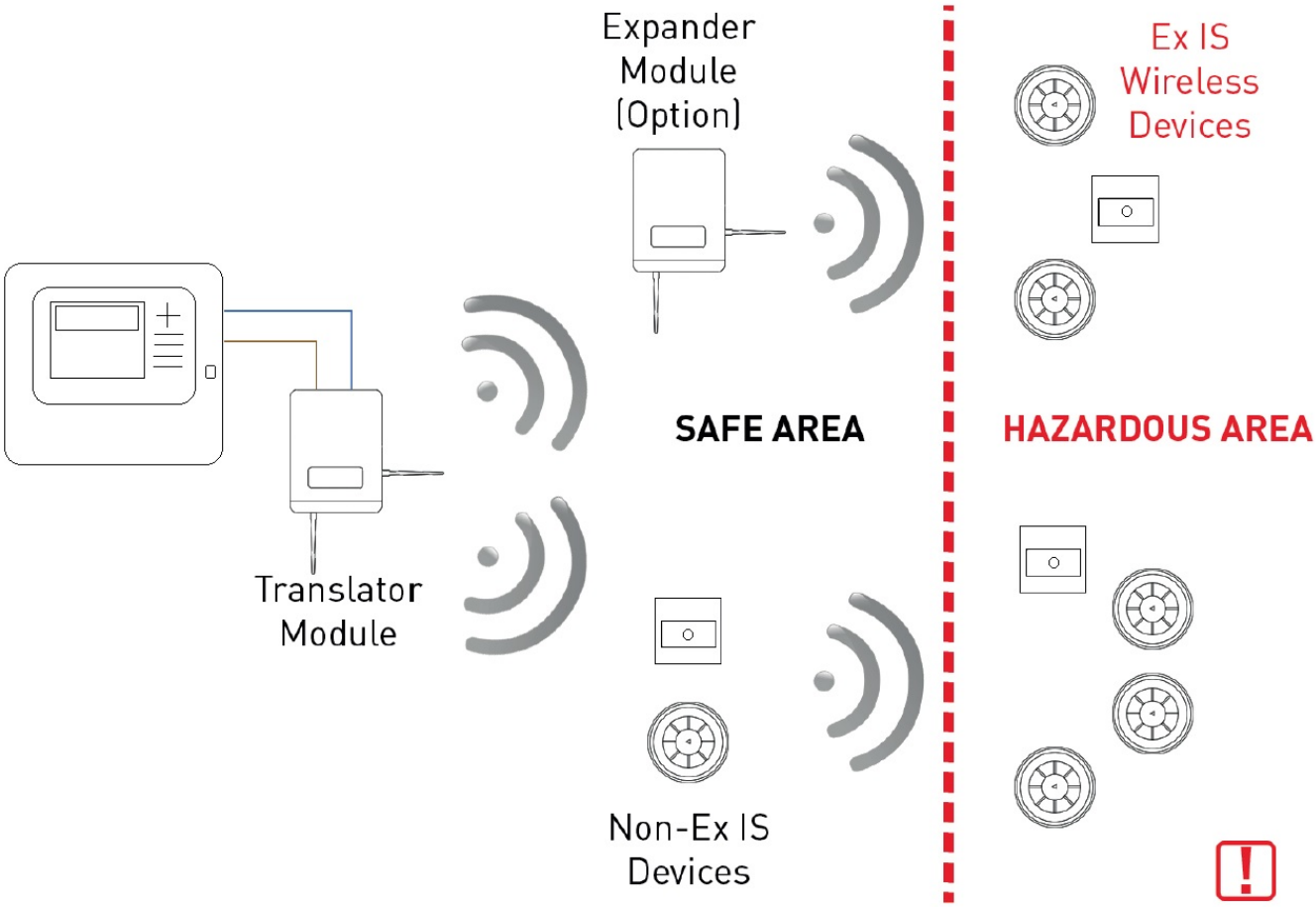
Standards and Approvals

- EN54-7: Smoke Detectors
- EN54-25: Components using radio links and system requirements

Specification

Operating Frequency Range	868 - 870 MHz
Maximum Radiated Power	5dBm (3mW)
Operating Frequency Channels	7
Transmission Message Interval	60 seconds
Dimensions	110mm x 65mm
Primary Battery	CR123A (3V & 1.2Ah)
Secondary Battery	CR2032A (3V & 0.24Ah)
Operating Temperature (no icing)	-10° to +55°C
Maximum Humidity (non condensing)	95% RH
Weight	190g
IP Rating	IP40

Order Codes and Options



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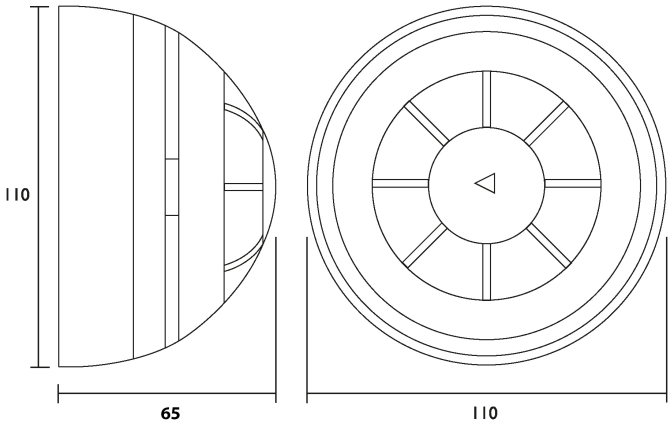
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Intrinsically Safe Wireless Multicriteria Detector - obsolete

The Intrinsically Safe Wireless Multicriteria Detector is a fully intelligent device which is compatible with all our Wireless Translator and Expander Modules and has been approved for use in Category 1, 2 or 3 hazardous atmospheres. Its fully wireless capability means it requires no special wiring or barriers, making installation quick, safe and cost effective.

Our wireless detectors are third party approved to EN54 and utilise the latest cutting-edge technologies and features. The well-proven adaptive radio signal processing algorithms combined with the latest multicriteria sensing technology ensure the highest levels of life safety and system reliability.





Features

- ATEX & IECEx Type Approved
- ATEX Code: Ex II 1G
- Bi-directional wireless communication
- Certified to EN54
- Up to 3 year battery life
- Uses standard low-cost lithium battery
- Quick and safe installation

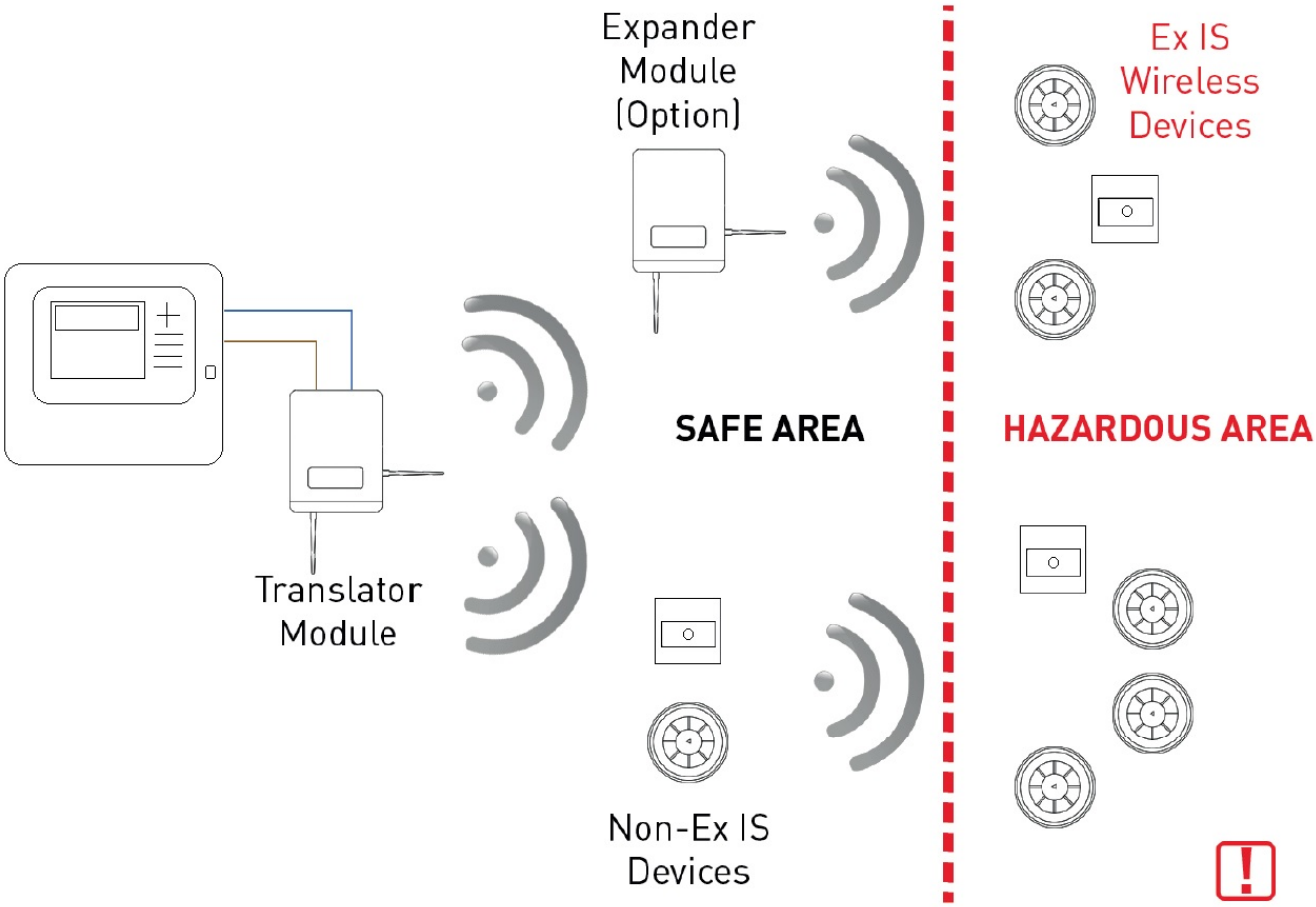
Standards and approvals

- EN54-5: Heat Detectors - Point Detectors
- EN54-7: Smoke Detectors - Point Detectors using scattered light, transmitted light or ionisation
- EN54-25: Components using radio links and system requirements

Specification

Operating Frequency Range	868 - 870 MHz
Maximum Radiated Power	5dBm (3mW)
Operating Frequency Channels	7
Transmission Message Interval	60 seconds
Dimensions	110mm x 65mm
Primary Battery	CR123A (3V & 1.2Ah)
Secondary Battery	CR2032A (3V & 0.24Ah)
Operating Temperature (no icing)	-10° to +55°C
Maximum Humidity (non condensing)	95% RH
Weight (without batteries)	190g
IP Rating	IP40

Order Codes and Options



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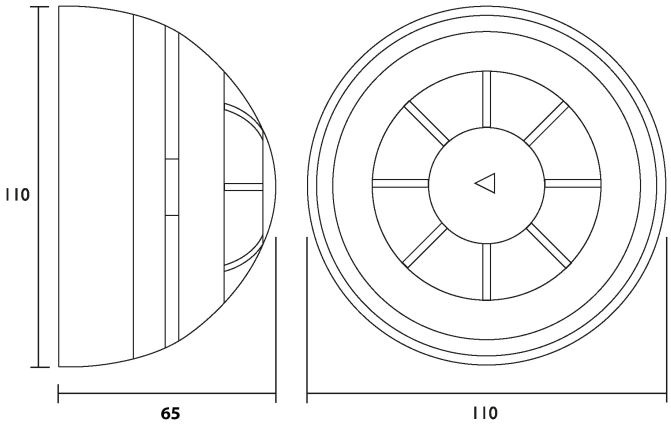
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Intrinsically Safe Wireless Heat Detector - obsolete

The Intrinsically Safe Wireless Optical Heat Detector is a fully intelligent device which is compatible with all our Wireless Translator and Expander Modules and has been approved for use in Category 1, 2 or 3 hazardous atmospheres. Its fully wireless capability means it requires no special wiring or barriers, making installation quick, safe and cost effective.

Our wireless detectors are third party approved to relevant EN54 standards and utilise the latest cutting-edge technologies and features. The well-proven adaptive radio signal processing algorithms combined with the latest detector design ensure the highest levels of life safety and system reliability.





Features

- ATEX & IECEx Type Approved
- ATEX Code: Ex II 1G
- Bi-directional wireless communication
- Certified to EN54
- Up to 3 year battery life
- Uses standard low-cost lithium battery
- Quick and safe installation

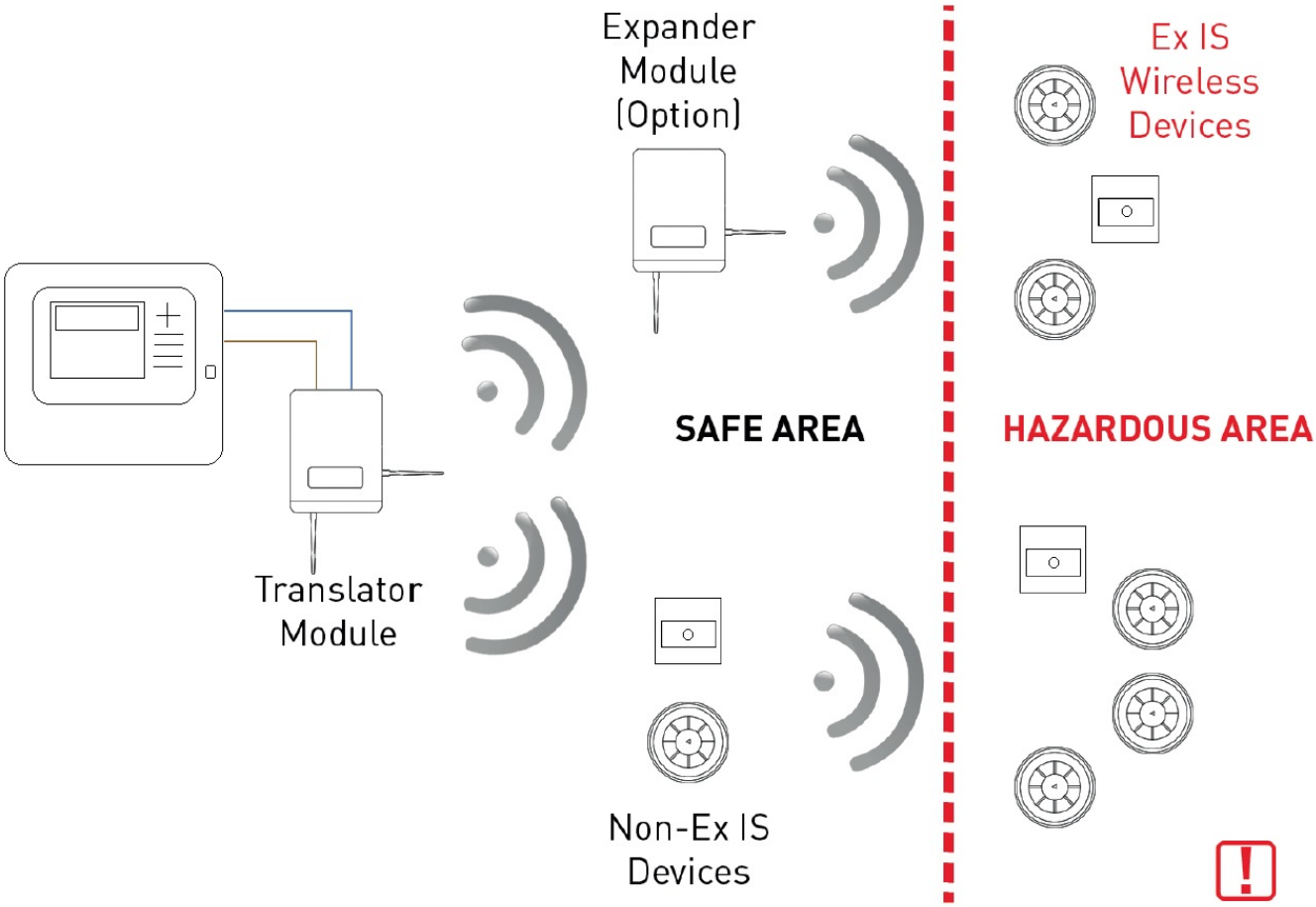
Standards and approvals

- EN54-5: Heat Detectors
- EN54-25: Components using radio links and system requirements

Specification

Operating Frequency Range	868 - 870 MHz
Maximum Radiated Power	5dBm (3mW)
Operating Frequency Channels	7
Transmission Message Interval	60 seconds
Dimensions	110mm x 65mm
Primary Battery	CR123A (3V & 1.2Ah)
Secondary Battery	CR2032A (3V & 0.24Ah)
Operating Temperature (no icing)	-10° to +55°C
Maximum Humidity (non condensing)	95% RH
Weight (without batteries)	190g
IP Rating	IP40

Order Codes and Options



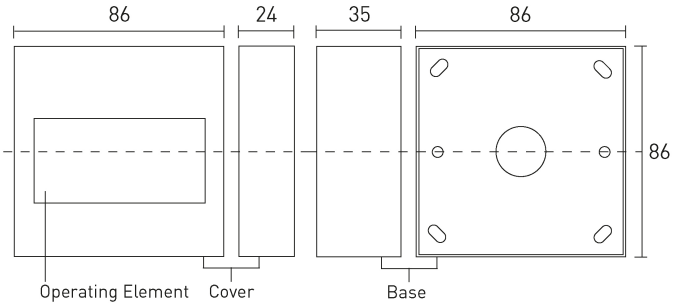
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Intrinsically Safe Wireless Call Point - obsolete

The Intrinsically Safe Wireless Call Point is a fully intelligent device which is compatible with all Wireless Translator and Expander Modules and has been approved for use in Category 1, 2 or 3 hazardous atmospheres. Its fully wireless capability means it requires no special wiring or barriers, making installation quick, safe and cost effective.

Our wireless detectors are third party approved to EN54 and utilise the latest cutting-edge technologies and features. The well-proven adaptive radio signal processing algorithms combined with the latest detector design ensure the highest levels of life safety and system reliability.



Features

- ATEX & IECEx Type Approved
- ATEX Code: Ex II 1G
- Bi-directional wireless communication
- Certified to EN54
- Up to 3 year battery life
- Uses standard low-cost lithium battery
- Quick and safe installation
- Resettable operating element with local indication

Standards and Approvals

- EN54-11: Manual Call Points
- EN54-25: Components using radio links and system requirements

Specification

Operating Frequency Range	868 - 870 MHz
Maximum Radiated Power	5dBm (3mW)
Operating Frequency Channels	7
Transmission Message Interval	60 seconds
Dimensions (H x W x D)	86mm x 86mm x 59mm
Primary Battery	CR123A (3V & 1.2Ah)
Secondary Battery	CR2032A (3V & 0.24Ah)
Operating Temperature (no icing)	-10° to +55°C
Maximum Humidity (non condensing)	95% RH
Weight (without batteries)	190g
IP Rating	IP40

Order Codes and Options

SGCP100-IS	Intrinsically Safe Wireless Call Point

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Axis EN

Analogue Detector Bases - obsolete

Intelligent detector low profile mounting base complete with secure and reliable cable terminations.

Deep Base

Intelligent detector deep mounting base complete with secure and reliable cable terminations.

Can be used together with CA100 conduit adaptor to allow conduit installation.

Relay Base

The relay base provides direct activation of external devices when connected to the Axis communication loop.

Can be used together with CA100 conduit adaptor to allow conduit installation



Specification

Material	ABS
Base diameter MM	110
Operating Temperature Range	-20°C / +65°C
Humidity (non condensing)	95% RH
VBLR100 relay base output relay contacts	1 Normally Closed 2 Common 3 Normally Open
Terminal connection	Maximum 2.5mm2

Order Codes and Options

20-VB100-ADV:	Standard Base
20-VDBS100-ADV:	Deep Base
20-VBLR100-ADV:	Relay Base
20-CA100-ADV:	Conduit Adapter

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Axis EN

AV-Class A1R and B Heat Detector - obsolete

Axis EN analogue detectors are designed around a fully digital protocol.

The analogue addressable photoelectric heat detector incorporates a single, centrally positioned thermistor, which supervises ambient temperature with low thermal inertia, allowing the product to achieve A1R and B classification.

Soft and safe addressing allowing accurate configuration of the system installation.

The unit provides a fast and secure response and incorporates a bidirectional short circuit isolator.

A unique range of Decorline finishes is available.



Standards and Approvals

- EN54-5:2000 +A1:2002
- EN54-17:2005
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- High reliability and error detection
- Large capacity, up to 240 devices per loop
- Short circuit isolator in each device to the requirements of EN 54-17
- Auto addressing capability by the control panel or manually using a handheld programmer (20-VPU100-ADV)
- Digital checking of double address
- Line quality information
- Day / night operation
- 360° visible bicolour (red green) LED driven by the control panel
- Programmable remote LED output

Specifications

Power Supply(*)	18 V - 40 V
Quiescent Current Consumption	55 µA
Current Consumption during Normal Communication	90 µA
Remote Output Max Current Consumption	18 mA
Output Driver Current	XXXX
LED Current Consumption	I_{LED} = 6 mA @ 24 V_{DC}
Operating Temperature Range	-30°C - 70°C
Humidity (non condensing)	5% RH - 95% RH
Dimensions D x H	110 x 54 mm
Weight	130 g
IP Rating	42 with 20-WP100-ADV silicon protection, 40 without

(*) Product operates down to 15 V, but without LED indication.

Order Codes and Options

20-V350-ADV	AV Class A1R and B Heat Detector

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Axis EN

AV-Photoelectric Smoke Detector - obsolete

Axis analogue detectors are designed around a fully digital protocol.

The analogue addressable photoelectric smoke detector has been designed with a unique symmetrical chamber.

The chamber ensures optimum air entry from all directions and offers immunity to ambient light into the detectors.

A double dust trap protects the smoke chamber from airborne contamination and external light.

A special dust compensation algorithm reduces maintenance periods.

Continuous screen provides a high level of protection from small insects.

Soft and safe addressing allowing accurate configuration of system installation.

The unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

A unique range of Decorline finishes are available.



Standards and Approvals

- EN54-7:2000 +A1:2002
- EN54-17:2005
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- High reliability and error detection
- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using a handheld programmer
- Digital checking of double address
- Line quality information
- Built-in diagnostics, hardware/software drift compensation
- Day / night operation
- 4 selectable alarm thresholds
- 360° visible bicolour (red green) LED driven by the control panel
- Programmable remote LED output

Specification

Power Supply	18-40 V
Average Current Consumption	I=70 uA
Output driver current	I out=6mA @24Vdc
LED current consumption	I led=6mA @24Vdc
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	95% RH
Dimensions H x D mm	54 x 110
Weight	130 g
IP Rating	42 with WP100 silicon protection, 40 without

(*) Product operates down to 15 V, but without LED indication.

Order Codes and Options

20-V100-ADV	AV Photoelectric Smoke Detector

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Axis EN

AV-Multicriteria Detector - obsolete

Axis EN analogue detectors are designed around a fully digital protocol. The analogue addressable multicriteria detector combines a photoelectric and thermal sensing element with a very sophisticated algorithm.

A symmetrical smoke chamber ensures optimal smoke sensitivity from all directions. The double dust trap protects the smoke chamber from airborne contamination and external light. A special dust compensation algorithm reduces maintenance periods.

A single, centrally positioned, thermistor supervises ambient temperature with low thermal inertia.

The detector efficiently analyses the status of the protected area guaranteeing a high rejection to false and unwanted alarms.

Continuous screen provides a high level of protection from small insects.

The unit provides a fast and secure response.

A Unique range of Decorline finishes are available



Standards and Approvals

- EN54-5:2000 +A1:2002
- EN54-7:2000 +A1:2002
- EN54-17:2005
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Provides high reliability and error detection
- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability by the control panel or manually using a handheld programmer (20-VPU100-ADV)
- Digital checking of double address
- Line quality information
- Bicolour (red green) LED driven by the control panel
- Day / night operation
- 4 selectable alarm thresholds
- Programmable remote LED output

Specification

Power Supply	18-40 V
Average Current Consumption	I=70 uA
Output driver current	I out=6mA @24Vdc
LED current consumption	I led=6mA @24Vdc
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing) 95% RH	95% RH
Dimensions H x D mm	110 x 54
Weight	130 g
IP Rating	42 with WP100 silicon protection, 40 without

*) Product operates down to 15 V, but without LED indication

Order Codes and Options

20-V200-ADV	AV Multicriteria Detector

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Axis EN

AV-Lite Class A1R and B Heat Detector - obsolete

Axis EN analogue detectors are designed around a fully digital protocol.

The analogue addressable photoelectric heat detector incorporates a single, centrally positioned thermistor, which supervises ambient temperature with low thermal inertia, allowing the product to achieve A1R and B classification.

Soft and safe addressing allowing accurate configuration of the system installation.

The unit provides a fast and secure response.

A unique range of Decorline finishes is available.



Standards and Approvals

- EN54-5:2000 +A1:2002
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- High reliability and error detection
- Large capacity, up to 240 devices per loop
- Manual addressing capability by using a handheld programmer (20-VPU100-ADV)
- Digital checking of double address
- Line quality information
- Day / night operation
- 360° visible red LED
- Programmable remote LED output

Specifications

Power Supply(*)	18 V - 40 V
Quiescent Current Consumption	55 µA
Current Consumption during Normal Communication	90 µA
Remote Output Max Current Consumption	18 mA
LED Current Consumption	I_{LED} = 6 mA @ 24 V_{DC}
Operating Temperature Range	-30°C - 70°C
Humidity (non condensing)	5% RH - 95% RH
Dimensions D x H	110 x 54 mm
Weight	130 g
IP Rating	42 with 20-WP100-ADV silicon protection, 40 without

(*) Product operates down to 15 V, but without LED indication.

Order Codes and Options

20-LV350-ADV	AV Lite Class A1R and B Heat Detector

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

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Axis EN

AV-Lite Photoelectric Smoke Detector - obsolete

Axis Lite analogue detectors are designed around a fully digital protocol. The analogue addressable photoelectric smoke detector has been designed with a unique symmetrical chamber and provides a fast and secure response.

The chamber ensures optimum air entry from all directions and offers immunity to ambient light into the detectors. A double dust trap protects the smoke chamber from airborne contamination and external light. A special dust compensation algorithm reduces maintenance periods.

The Axis Lite analogue detectors have manual addressing capability by using a handheld programmer (20-VPU100-ADV). The continuous screen provides a high level of protection from small insects and the unit is available in a unique range of Decorline finishes.



Standards and Approvals

- EN54-7:2000 +A1:2002 +A2:2006
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- High reliability and error detection
- Digital checking of double address
- Built-in diagnostics, hardware/software drift compensation
- Day / night operation
- 4 selectable alarm thresholds
- 360° visible red LED
- Programmable remote LED output

Specification

Power Supply(*)	18 V - 40 V
Quiescent Current Consumption	70 µA
Output Driver Current	I_{out}= 6 mA @ 24 V_{DC}
LED Current Consumption	I_{LED}= 6 mA @ 24 V_{DC}
Operating Temperature Range	-30°C - 70°C
Humidity (non condensing)	95% RH
Dimensions D x H	110 x 54 mm
Weight	130 g
IP Rating	42 with 20-WP100-ADV silicon protection, 40 without

(*)Product operates down to 15 V, but without LED indication.

Order Codes and Options

20-LV100-ADV	AV Lite Photoelectric Smoke Detector

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Axis EN

AV-Lite Multicriteria Detector - obsolete

Axis EN analogue detectors are designed around a fully digital protocol. The analogue addressable multicriteria detector combines a photoelectric and thermal sensing element with a very sophisticated algorithm.

A symmetrical smoke chamber ensures optimal smoke sensitivity from all directions. The double dust trap protects the smoke chamber from airborne contamination and external light. A special dust compensation algorithm reduces maintenance periods.

A single, centrally positioned, thermistor supervises ambient temperature with low thermal inertia.

The detector efficiently analyses the status of the protected area guaranteeing a high rejection to false and unwanted alarms.

Continuous screen provides a high level of protection from small insects. The unit provides a fast and secure response.

A Unique range of Decorline finishes are available.



Standards and Approvals

- EN54-5:2000 +A1:2002
- EN54-7:2000 +A1:2002 +A2:2006
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- High reliability and error detection
- Large capacity, up to 240 devices per loop
- Addressing capability by using a handheld programmer (20-VPU100-ADV)
- Digital checking of double address
- Line quality information
- Day / night operation
- 4 selectable alarm thresholds
- 360° visible red LED
- Programmable remote LED output

Specifications

Power Supply(*)	18 V - 40 V
Quiescent Current Consumption	70 µA
Output driver current	I_{out} = 6 mA @ 24 V_{DC}
LED current consumption	I_{LED} = 6 mA @ 24 V_{DC}
Operating Temperature Range	-30°C - 70°C
Humidity (non condensing)	95% RH
Dimensions D x H (standard base included)	110 x 54 mm
Weight	130 g
IP Rating	42 with WP100 silicon protection, 40 without

(*) Product operates down to 15 V, but without LED indication

Order codes and Options

20-LV200-ADV	AV Lite Multicriteria Detector

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Axis EN

Call Point - obsolete

The AV Resettable Call Point is a loop powered device designed around a fully digital protocol.

A unique manual call point that mimics the feel of breaking glass whilst offering the user the benefits and environmental advantages of a re-settable operating element.

Upon activation an indicator drops into view at the top of the window. The unit is then simply reset by use of a special key.

The same special key is used for removal of the device's front cover.

The unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

Connections are made using plugin terminal blocks which will accept conductors up to 2.5mm2.



Features

- Approved to EN54-11
- Provides high reliability and error detection
- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability by the control panel or manually using a handheld programmer (20-VPU100-ADV)
- Digital checking of double address - Line quality information
- Line quality information
- Bicolour (red green) LED driven by the control panel

Specification

Power Supply	15-40 V
Average Current Consumption	I=70 uA
LED current consumption	Iled=6mA @24Vdc
Operating Temperature Range	-30˚C/+70˚C
Humidity (non condensing)	95% RH
Dimensions (H x W x D) 85 x 85 x 54 mm	85 x 85 x 54 mm
IP Rating	21

Order Codes and Options

20-VCP100-ADV:	Red
20-VCP100-B-ADV:	Blue
20-VCP100-G-ADV:	Green
20-VCP100-Y-ADV:	Yellow
20-VCP100-W-ADV:	White

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Axis EN

Addressable Beacon - obsolete

The Axis beacon is a loop powered addressable device designed around a fully digital protocol.

The device has a low current consumption and low profile design which allows easy and fast installation. The beacon can also be secured to the base by a locking screw.

The beacons flash rate and light intensity can be selected by a DIP switch.

Each unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.



Features

- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using 20-VPU1000-ADV handheld programmer
- Digital checking of double address
- Line quality information

Specification

Power Supply	15-40 V
Standby current @ 24 V	70uA
Wire gauge range for the terminals	0.5 - 2.5 mm²
Current consumption range @ 24V (beacon's selected settings)	min 3mA (0.5Cd and 1Hz) max 6mA (1Cd and 0.5Hz)
Light output intensity range (user selectable)	0.5 - 1 Cd
Flash rate range (user selectable)	0.5 - 1 Hz
Operation environmental temperature range	-10°C - +55°C
Operation environmental humidity range	5% - 95% RH
IP rating	21C
Dimensions H x W x D mm	93 x 53
Weight grams	110
IP Rating	21C

Order Codes and Options

20-VLBE100-ADV:	AV Addressable Beacon

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Advanced

Axis EN

Loop Powered Sounder Beacon Base - obsolete

The loop driven sounder beacon base series is a loop driven device designed around a fully digital protocol.

The sounder beacon base is an acoustic output device which supports up to 32 tones ranging from a slow whoop, pulsed and continuous tone with synchronisation of both the sounder and beacon.

The device has four fixed volume levels ranging from 85 dB to a maximum of 92dB making the device suitable for almost any EN markets.

The low profile sounder is designed to comply with EN54 and requires the 20-VPU1000-ADV hand held programmer for volume and operating mode configuration.

The sounder beacon base provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

Features

- 32 programmable tones
- Compatibility mode for standard loop sounders
- Loop driven
- Soft and safe addressing
- Large cable entry
- Low profile design
- Synchronisation of flashes
- 84.5 dB to 92.5 dB

Standards and Approvals

- EN54-3:2001 +A1:2002 +A2:2006
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Specification

Power Supply	18V to 40V DC
Standby Current Consumption	70µA
Humidity (non condensing)	90% RH
Operating Temperature Range	-30°C to +70°C
Dimensions (Width x Depth)	160 x 60mm
Weight	300 grams
Applicatble Wire Guage	0.5mm² to 2.5mm²
Volume Setting	
Low	Load: 4.5mA Volume: 84.5dB
Medium	Load: 4.8mA Volume: 88.9dB
High	Load: 5.6mA Volume: 90.3dB
Extra High	Load: 7.7mA Volume: 92.5dB
IP Rating	21C

Order Codes and Options

20-VBLS100AV/32-ADV:	Loop Powered Sounder Beacon Base

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Axis EN

Wall Sounder - obsolete

The Axis Wall mounted sounder is a loop powered addressable device designed around a fully digital protocol.

The device has a low current consumption and compact design which gives a wide-angle uniform sound distribution providing good audibility in all directions.

A fitted surface mounting box is provided which allows rear or side entry for ease of installation. A special release tool is also supplied for opening the base. The sounder also incorporates a rotary volume control.

The control panel software provides the option of three different operating tones and each sounder is synchronized making them suitable for multistage alarm applications.

Each unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

Two versions are available offering a wide range of UK and European fire tones.



Features

- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using a handheld programmer
- Digital checking of double address
- Line quality information

Specification

Power Supply	19 to 30V
Current Consumption (all tones)	5mA - 20-VLS100-ADV 7mA - 20-VLS100H-ADV 7mA - 20-VLS100HW-ADV
Operating Temperature Range	-10°C / +55°C
Humidity (non condensing)	85% RH
Alarm Tones: 20-VLS100-ADV	1) Dual tone (990 / 650 @ 2Hz) 2) Continuous tone (990 Hz) 3) Pulsed tone (990 @ 1Hz)
20-VLS100H-ADV & 20-VLS100HW-ADV	1) Slow Whoop (300 to 1200Hz, 3s sweep 0.5s silence - Dutch Fire Tone) 2) Sweep (1200 to 500Hz @ 1Hz – DIN Tone) 3) Continuous tone (990 Hz)
Sound Output Volume (typical)	93dB
Dimensions H x W x D mm	109 x 109 x 95
IP Rating	42

Order Codes and Options

20-VLS100-ADV:	Wall Sounder - No Longer Available
20-VLS100H-ADV:	Wall Sounder (Slow Whoop) Red - No Longer Available
20-VLS100HW-ADV:	Wall Sounder (Slow Whoop) White - No Longer Available

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Axis EN

Wall Sounder Beacon - obsolete

The Axis Wall mounted sounder beacon is a loop powered addressable device designed around a fully digital protocol.

The device has a low current consumption and compact design which gives a wide-angle uniform sound distribution providing good audibility in all directions.

A fitted surface mounting box is provided which allows rear or side entry for ease of installation. A special release tool is also supplied for opening the base.

The sounders volume and operating tone can be selected by a DIP switch and each sounder is synchronized.

Each unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

A wide range of UK & European fire tones are available. A Waterproof version is also available.



Features

- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using a handheld programmer
- Digital checking of double address
- Line quality information

Specification

Power Supply	19 to 30V
Current Consumption (all tones)	10mA
Operating Temperature Range	-10°C / +55°C
Humidity (non condensing)	85% RH
Alarm Tones:	1) Continuous tone (990 Hz) 2) Slow Whoop (300 to 1200Hz, 3s sweep 0.5s silence - Dutch Fire Tone) 3) Dual tone (990 / 650 @ 2Hz) 4) Pulsed tone (990 @ 1Hz) 5) Sweep (1200 to 500Hz @ 1Hz – DIN Tone)
Strobe Flash Rate	1Hz (all tones)
Flash Colour	Red
Sound Output Volume (typical)	High 100 ± 3 dB(A) Low 90 ± 3 dB(A)
Dimensions H x W x D mm	109 x 109 x 95
IP Rating	42

Order Codes and Options

20-VLS100AV-ADV :	AV Wall Sounder Beacon - No Longer Available
20-VWLS100AV-ADV:	AV Wall Sounder Beacon Waterproof - No Longer Available

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Axis EN

Waterproof Wall Sounder - obsolete

The Axis Waterproof Wall mounted sounder is a loop powered addressable device designed around a fully digital protocol.

The device has a low current consumption and compact design which gives a wide-angle uniform sound distribution providing good audibility in all directions.

A fitted surface mounting box is provided which allows rear or side entry for ease of installation. A special release tool is also supplied for opening the base. The sounder also incorporates a rotary volume control.

The control panel software provides the option of three different operating tones and each sounder is synchronized making them suitable for multistage alarm applications.

Each unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

A wide range of UK & European fire tones are available.



Features

- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using a handheld programmer
- Digital checking of double address
- Line quality information

Specification

Power Supply	19 to 30V
Current Consumption (all tones)	5mA
Operating Temperature Range	-20°C / +70°C
Humidity (non condensing)	85% RH
Alarm Tones: 20-VLS100-ADV	1) Dual tone (990 / 650 @ 2Hz) 2) Continuous tone (990 Hz) 3) Pulsed tone (990 @ 1Hz)
20-VLS100H-ADV & 20-VLS100HW-ADV	1) Slow Whoop (300 to 1200Hz, 3s sweep 0.5s silence - Dutch Fire Tone) 2) Sweep (1200 to 500Hz @ 1Hz – DIN Tone) 3) Continuous tone (990 Hz)
Sound Output Volume (typical)	93dB
Dimensions H x W x D mm	109 x 109 x 95
IP Rating	66

Order Codes and Options

20-VWLS100-ADV:	AV Waterproof Wall Sounder - No Longer Available to Order

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Advanced

Axis EN

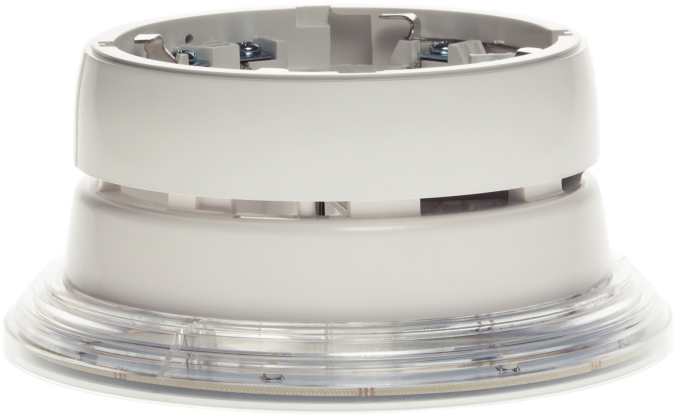
Slave Sounder Beacon Base - obsolete

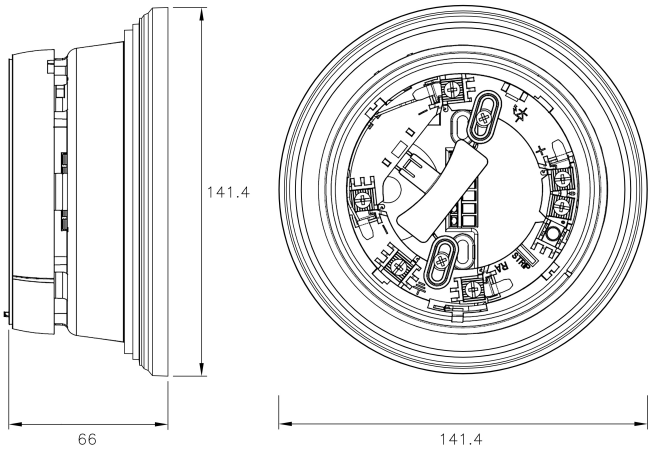
The slave sounder beacon base is a low profile base sounder with combined 360° visual indicator which is designed around a fully digital protocol. When used in conjunction with an associated intelligent detector the unit can be controlled via the cause and effect programming of a compatible control panel.

This output device has 32 selectable (by dip switch) tones and emits an acoustic signal when used in conjunction with an associated intelligent detector and activated in the event of a fire condition. The visual output reinforces the audible warning and has a fixed pattern and intensity. As a slave sounder, this device does not need any addressing.

The unit has integral DIP switches, allowing independent adjustment of the pre-set tone and volume settings. The unit's integral detector base has easy access for loop cabling and allows for the connection of both sounder and associated detector via a single set of cable terminations.

The device has three fixed volume levels ranging from 91 dB to a maximum of 96 dB @ 1m, making the device suitable for almost any EN markets.





Features

- 32 programmable tones
- Tone and volume set via DIP switch
- Adjustable volume output
- Easy central cable entry
- Includes device identification tab
- Low profile design
- Synchronisation of flashes
- 91 dB to 96 dB @ 1m

Specification

Loop voltage range	15V to 32 Vdc (typically 24 Vdc)*
Standby current	70 µA @ 24 Vdc
Maximum humidity (non condensing)	95% RH
Operating temperature range (no icing)	-10°C to +55°C
Dimensions (Width x Depth)	141.1 x 66 mm
Weight	220 g
Max current (activated - dual tone, beacon on)	5-12 mA @ 24 Vdc**
32 tone range	440 - 2900 Hz
Max volume @ 1m	94 dB

* Minimum 18 Vdc for operation of LED. ** Dependent on tone/volume settings

Order Codes and Options

Axis-SVAMB	Slave Sounder Beacon Base

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Axis EN

Slave Sounder Base - obsolete

The slave sounder base is a low profile base sounder which is designed around a fully digital protocol. When used in conjunction with an associated intelligent detector the unit can be controlled via the cause and effect programming of an Axis EN compatible control panel.

This output device has 32 selectable (by dip switch) tones and as a slave sounder does not need any addressing.

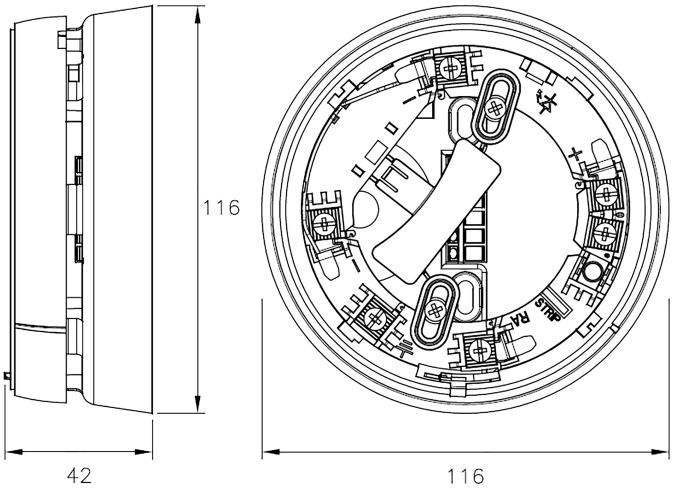
The unit has integral DIP switches, allowing independent adjustment of both tone and volume settings. The unit's integral detector base has easy access for loop cabling and allows for the connection of both sounder and associated detector via a single set of cable terminations.

The device has three fixed volume levels ranging from 89 dB to a maximum of 94 dB.



Features

- 32 selectable tones
- Low current, high output local sounder
- Tone and volume set via DIP switch
- Adjustable volume output
- Includes device identification tab
- Easy central cable entry
- Low profile design
- 89 dB to 94 dB @ 1m



Specification

Loop voltage range	15 Vdc to 32 Vdc (typically 24 Vdc)*
Standby current	70 µA @ 1 metre
Maximum humidity (non condensing)	95% RH
Operating temperature range (no icing)	-10°C to +55°C
Dimensions (Width x Depth)	116 x 42 mm
Weight	188 g
Maximum number of loop addresses	240
32 tone range	440 - 2900 Hz
Max volume @ 1m	94 dB

* Minimum 18 Vdc for operation of LED ** Dependent on tone/volume settings

Order Codes and Options

Axis-SAMB	Slave Sounder Base

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Axis EN

Intelligent Sounder Base - obsolete

The intelligent sounder base is a low profile base sounder which is designed around a fully digital protocol and has a 240 device loop capacity.

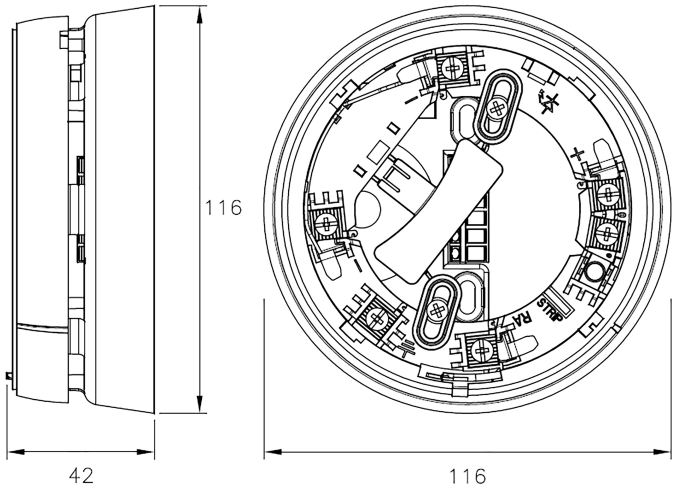
Once installed onto a compatible loop the device is fully addressable and benefits from an extensive range of intelligent functionality, including sounder synchronisation.

The unit's integral detector base has easy access for loop cabling and allows for the connection of both the sounder and associated detector via a single set of cable terminations.



Features

- 32 programmable tones
- Built-in loop isolators
- Fully intelligent
- Synchronised sounder
- Adjustable volume output
- Auto-addressable
- Programmable via device programming tool
- Includes device identification tab
- Easy central cable entry
- Low profile design



Standards and Approvals

- EN54-3:2001 +A1:2002 +A2:2006
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Specification

Power supply	15V to 32Vdc
Max humidity (non condensing)	95% RH
Operating temperature range	-10°C to +55°C
Dimensions (W x D)	116 x 42 mm
Weight	188 g
Current consumption	4-7 mA
32 tone range	440 - 2900 Hz
Max volume @ 1m	94 dB

Order Codes and Options

Axis-SMB	Intelligent Sounder Base

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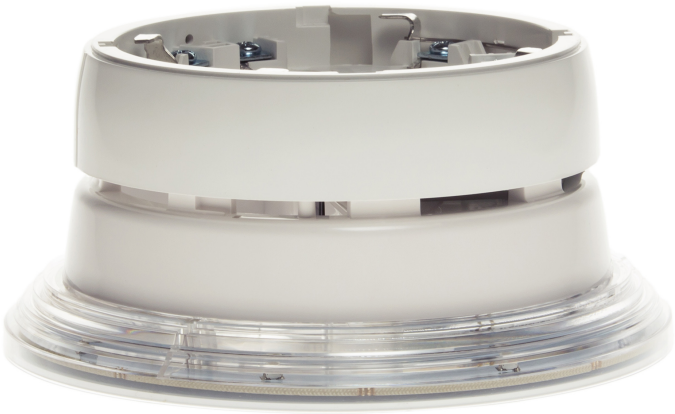
Advanced

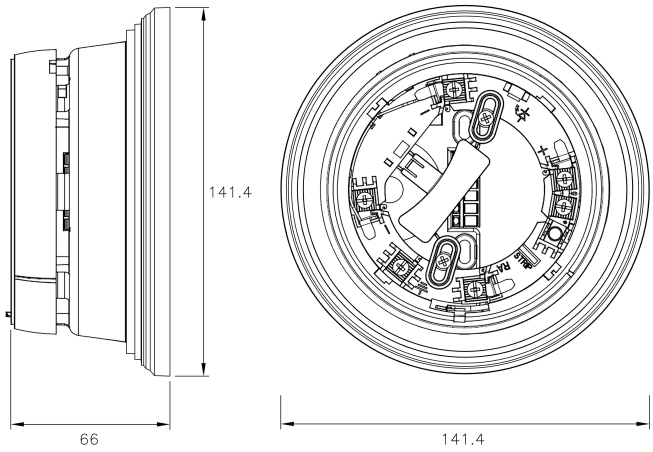
Axis EN

Intelligent Sounder Beacon Base - obsolete

The intelligent sounder beacon base is a low profile base sounder with combined 360° visual indicator. By utilising a fully digital communication protocol, reliable and fast operation is achieved even when employing the impressive 240 device loop capacity.

Once installed onto a compatible loop, the device is fully addressable and benefits from an extensive range of intelligent functionality, including sounder synchronisation. The unit's integral detector base has easy access for loop cabling and allows for the connection of both the sounder and associated detector via a single set of cable terminations.





Features

- 32 programmable tones
- Built-in loop isolators
- Fully intelligent
- 360 degree visibility of VID when activated
- Synchronised sounder
- Adjustable volume output
- Auto-addressable
- Programmable via device programming tool
- Includes device identification tab
- Easy central cable entry
- Low profile design

Standards and Approvals

- EN54-3:2001 +A1:2002 +A2:2006
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Specification

Standby current	70µA @ 24 Vdc
Loop voltage range	15 Vdc - 32 Vdc (typically 24 Vdc)
Current consumption (activated - dual tone and beacon on)	5-8 mA @ 24 Vdc
Maximum volume	94 dB @ 1 metre
Tone range	440 Hz - 2900 Hz
Operating temperature range	-10°C to +55°C
Dimensions (W x D)	141.4 x 66 mm
Weight	220 g

Maximum humidity (non condensing)	95% RH
Maximum number of loop addresses	240

Order Codes and Options

Axis-SVMB	Intelligent Sounder Beacon Base

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Axis EN

Wireless Battery Operated Output Module - obsolete

The Axis Wireless Battery Powered Output Module provides form C changeover contacts which allows for control of an auxiliary device, following an alarm message transmitted by the control panel.

The activation command is sent from the control panel to the output module through the Axis wireless translator module.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency if 433MHz.



Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 32 wireless devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Specification

Operating frequency range	433.05 MHz - 434.79 MHz
Max radiated power	5 dBm (3 mW)
Radio signal's modulation type	FSK
Operating frequency channels	7
Communication range	Up to 200 m (in open space)
Main battery type	CR123A (3 V & 1.2 Ah)
Secondary battery type	CR123A (3 V & 1.2 Ah)
Main battery lifespan	** 5 years ***
Secondary battery lifespan	** 2 months ***
Operating temperature	0 ºC - +55ºC
Relay Switching Characteristics	I = 2A V= 30Vdc
Dimensions H x W x D mm	95 x 135 x 57
Cable Entry / Knockout Holes	6 x M16/20
Applicable Wire Gauge Range	0.5mm² to 2.5mm²
IP Rating	65

Order Codes and Options

20-SGMCB100/433-ADV:	Wireless Battery Operated Output Module

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Axis EN

Wireless Beacon - obsolete

The Axis Wireless Beacon is a programmable output device which can be operated by the control panel in the event of fire, alarm or fault conditions from selected devices.

The activation command is sent from the control panel to the beacon through the AV wireless translator module.

The beacons flash rate and light intensity can be selected by a DIP switch.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency of 433MHz



Specification

Operating frequency range	433.05 MHz - 434.79 MHz
Max radiated power	5 dBm (3 mW)
Radio signal's modulation type	FSK
Operating frequency channels	7
Communication range	Up to 200 m (in open space)
Main battery	CR123A (3 V & 1.2 Ah)
Secondary battery	CR123A (3 V & 1.2 Ah)
Min alarm current consumption range @ 24 V	3 mA (0.5 Cd and 1 Hz beacon's selected settings)
Max alarm current consumption range @ 24 V	6 mA (1 Cd and 0.5 Hz beacon's selected settings)
Light output intensity range (user selectable)	0.5 / 1 Cd
Flash rate range (user selectable) 0.5 / 1 Hz	0.5 / 1 Hz
Main battery lifespan	** 5 years ***
Secondary battery lifespan	** 2 months ***
Operating temperature range	-10ºC - +55ºC
Tolerated humidity range (no condensing)	5% RH TO 95% RH
Dimensions H x W mm	93 x 53
Weight grams	110 w/o batteries
IP Rating	21C

Order Codes and Options

20-SGBE100/433-ADV:	Wireless Beacon

Limitations

* Ideal operating range: may vary consistently according to environmental conditions.
** When a low battery condition is indicated, both, main and secondary, batteries must be changed altogether.
*** These lifespan values refer to the device being programmed with a control signals transmission period of 12 seconds (under the assumption that the Axis Wireless Beacon is not activated). If theAxis Wireless Beacon is activated 30 seconds a week for test, the primary battery's lifespan reduces to 4 years (with maximum selected flash rate, i.e. 0.5 Hz and light intensity, i.e. 1 Cd).

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Axis EN

Wireless Expander - obsolete

The Axis Wireless Expander is an externally powered module that supports the Axis Wireless Translator module. The Expander module provides the ability to communicate with wireless devices over greater distances and in difficult radio environments.

The Axis Wireless system utilises a unique and powerful 'Microcell' architecture with a capacity of up to 7 Expanders and 32 wireless devices per translator module. Wireless devices can be any combination of detectors, call points, sounders or input and output modules.



Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Patented double orthogonal antennae provides reliable communication
- Unique channel hopping algorithm virtually eliminates signal corruption and fade
- Up to 7 Expanders allowed with each translator
- Flexible 'Microcell' structure

Specification

Communication range	Up to 600 meters (in open space)
Communication range with other wireless devices	Up to 200 meters (in open space)
Operating frequency	433.05 MHz - 434.79 MHz
Modulation type	FSK
Operating frequency channels	7
Radiated power	5 dBm (3 mW) typical
Transmission message period	12 seconds default
Power supply voltage range	From 9 V to 27 V
Current consumption	85 mA @ 12 Vdc
Dimensions H x W x D mm	120 x 160 x 51 w/o antennas
Weight grams	330 g
Operating temperature range	From -30ºC to +50ºC
Antennas	Two External, in orthogonal configuration
Primary and backup power supply voltage's lower fault threshold	11 +/- 0.5 V
IP Rating	51C

Order Codes and Options

20-SGWE100/433-ADV:	Wireless Expander

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Axis EN

Wireless Heat Detector - obsolete

The Axis Wireless Heat Detector has been designed to fully meet the requirements of European Standard EN54-5 and EN54-25. The detector has the same low profile mechanical design as that of the hard wired 20-V350-ADV device.

Each device is powered using low-cost lithium batteries. Both primary and secondary batteries are continuously monitored for low battery condition which is indicated by an internal LED as well as a fault condition being displayed at the translator module and the fire control panel.

Each detector will automatically adjust its frequency and manage its power radiation in accordance with the signal quality received from the Axis wireless translator module.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operate on the frequency of 433 MHz.



Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 32 wireless devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Specification

Communication range with the 20-VW2W100-ADV or 20-SGWE100-ADV	Up to 200 m (in open space)
Operating frequency	433.05 MHz - 434.79 MHz
Modulation type	FSK
Operating frequency channels	7
Radiated power	5 dBm (3 mW) typical
Transmission message period	60 sec default
Main battery	Type CR123A 6.5 years typical
Secondary battery	Type CR2032A 2 months typical
Dimensions	110 mm x 54 mm
Weight	150 g Without Batteries

Operating temperature range	From -30 ˚C to +55 ˚C. From -10 ˚C to +55 ˚C with secondary battery
IP Rating	42 with WP100 silicon protection, 40 without

Order Codes and Options

20-SG350/433-ADV:	Wireless Heat Detector

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Axis EN

Wireless Heat Enhanced Photoelectric Smoke Detector - obsolete

The Axis Wireless Heat Enhanced Photoelectric Smoke Detector has been designed to meet EN54-5, EN54-7 and EN54-25. The detector has the same low profile mechanical design as that of the hard wired AV Multicriteria Detector and incorporates the same advanced features such as a unique symmetrical smoke chamber, double dust trap and a continuous insect screen.

Each device is powered using low cost lithium batteries. Both primary and secondary batteries are continuously monitored for low battery condition which is indicated by an internal LED as well as a fault condition being displayed at the translator module and the fire control panel.

Each detector will automatically adjust its frequency and manage its power radiation in accordance with the signal quality received from the Axis wireless translator module.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency of 433 MHz.



Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 32 wireless devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Approvals

- Approved to EN54-5, EN54-7 and EN54-25

Specification

Communication range	Up to 200 m (in open space)
Operating frequency	433.05 MHz - 434.79 MHz
Modulation type	FSK
Operating frequency channels	7
Radiated power	5 dBm (3 mW) typical
Transmission message period	60 seconds default
Main battery	Type CR123A 6.5 years typical
Secondary battery	Type CR2032A 2 months typical
Dimensions H x W x D mm	110 x 54
Weight grams	150 g Without Batteries
Operating temperature range	From -30ºC to +55ºC From -10ºC to +55ºC with secondary battery
IP Rating	42 with WP100 silicon protection, 40 without

Order Codes and Options

20-SG200/433-ADV:	Wireless Heat Enhanced Photoelectric Smoke Detector

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Axis EN

Wireless Input Module - obsolete

The Axis Wireless Input Module allows supervision of an external device providing on/off status information to the control panel via an AV wireless translator module. Each module is intended to interface between a control panel and normally open contact devices. The connection between the module and the external device is supervised with the aid of an end of line resistor.

Each device is powered using low cost lithium batteries. Both primary and secondary batteries are continuously monitored for low battery condition which is indicated by an internal LED as well as a fault condition being displayed at the translator module and the fire control panel.

Each module will automatically adjust its frequency and manage its power radiation in accordance with the signal quality received from the Axis wireless translator module.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency of 433 MHz.

Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 32 wireless devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Specification

Communication range	Up to 200 m (in open space)
Operating frequency	433.05 MHz - 434.79 MHz
Modulation type	FSK
Operating frequency channels	7
Radiated power	5 dBm (3 mW) typical
Transmission message period	60 seconds default
End of Line Resistor	(Reol) 5.6Kohm
Alarm Resistor	2.2Kohm
Main battery	Type CR123A 6.5 years typical
Secondary battery	Type CR2032A 2 months typical
Weight grams	150 g Without Batteries
Operating temperature range	From -30ºC to +55ºC From -10ºC to +55ºC with secondary battery
IP Rating	65

Order Codes and Options

20-SGMI100/433-ADV:	Wireless Input Module

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Axis EN

Wireless Output Module - obsolete

The Axis Wireless Output Module provides form C changeover contacts which allows for control of an auxiliary device, following an alarm message transmitted by the control panel via an AV wireless translator module.

The module is externally powered and will automatically adjust its frequency and manage its power radiation in accordance with the signal quality received from the AV wireless translator module.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency of 433 MHz.

Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 32 wireless devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Specification

Communication range	Up to 200 m (in open space)
Operating frequency	433.05 MHz - 434.79 MHz
Modulation type	FSK
Operating frequency channels	7
Radiated power	5 dBm (3 mW) typical
Transmission message period	60 seconds default
Device’s operating voltage	10 Vdc - 27 Vdc externally powered
Maximum device’s current absorption	50 mA external PSU required
Relay Switching Characteristics	I = 2A V = 30 Vdc
Dimensions H x W x D mm	109 x 37
Weight grams	52
Operating temperature range	From -30ºC to +55ºC
IP Rating	65

Order Codes and Options

20-SGMC100/433-ADV:	Wireless Output Module

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Axis EN

Wireless Photoelectric Smoke Detector - obsolete

The Axis Wireless Photoelectric Smoke Detector has been designed to fully meet the requirements of European Standard EN54-7 and EN54-25. The detector has the same low profile mechanical design as that of the hard wiredAxis Photoelectric Smoke Detector and incorporates the same advanced features such as a unique symmetrical smoke chamber, double dust trap and a continuous insect screen.

Each device is powered using low cost lithium batteries. Both primary and secondary batteries are continuously monitored for low battery condition which is indicated by an internal LED as well as a fault condition being displayed at the translator module and the fire control panel.

Each detector will automatically adjust its frequency and manage its power radiation in accordance with the signal quality received from theAxis wireless translator module.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency of 433 MHz.



Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 32 wireless devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Approvals

- Approved to EN54-7 and EN54-25

Specification

Communication range	Up to 200 m (in open space)
Operating frequency	433.05 MHz - 434.79 MHz
Modulation type	FSK
Operating frequency channels	7
Radiated power	5 dBm (3 mW) typical
Transmission message period	60 seconds default
Main battery	Type CR123A 6.5 years typical
Secondary battery	Type CR2032A 2 months typical
Dimensions H x W x D mm	110 x 54
Weight grams	150 g Without Batteries
Operating temperature range	From -30ºC to +55ºC From -10ºC to +55ºC with secondary battery
IP Rating	42 with WP100 silicon protection, 40 without

Order Codes and Options

20-SG100/433-ADV:	Wireless Photoelectric Smoke Detector

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Axis EN

Wireless Remote Indicator Lamp - obsolete

The Axis Wireless Remote Indicator Lamp is a programmable output device which can be operated by the control panel in the event of fire, alarm or fault conditions from selected devices.

The activation command is sent from the control panel to the indicator through the Axis wireless translator module.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency of 433MHz.



Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 32 wireless devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Specification

Operating frequency range	433.05 MHz - 434.79 MHz
Max radiated power	5 dBm (3 mW)
Radio signal's modulation type	FSK
Operating frequency channels	7
Communication range	Up to 200 m (in open space)
Main battery	CR123A (3 V & 1.2 Ah)
Secondary battery	CR123A (3 V & 1.2 Ah)
Main battery lifespan	** 5 years ***
Secondary battery lifespan	** 2 months ***
Operating temperature	0ºC - +55ºC
Max tolerated humidity (no condensing)	95% RH
Dimensions H x W x D mm	87 x 87 x 68
Weight grams	180 w/o batteries
IP Rating	20C

Order Codes and Options

20-SGFI100/433-ADV:	Wireless Remote Indicator Lamp

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Axis EN

Wireless Resettable Call Point - obsolete

The Axis Wireless Resettable Call Point has been designed to fully meet the requirements of European Standard EN54-11 and EN54-25. The device mimics the feel of breaking glass whilst offering the user the benefits and environmental advantages of a re-settable operating element. Upon activation an indicator drops into view at the top of the window. The unit is then simply reset by use of a special key.

Each device is powered using low cost lithium batteries. Both primary and secondary batteries are continuously monitored for low battery condition which is indicated by an internal LED as well as a fault condition being displayed at the translator module and the fire control panel.

Each call point will automatically adjust its frequency and manage its power radiation in accordance with the signal quality received from the AV wireless translator module.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency of 433 MHz.



Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 32 wireless devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Approvals

- Approved to EN54-11 and EN54-25

Specification

Communication range	Up to 200 m (in open space)
Operating frequency	433.05 MHz - 434.79 MHz
Modulation type	FSK
Operating frequency channels	7
Radiated power	5 dBm (3 mW) Typical
Transmission message period	60 sec Default
Primary battery *	Type CR123A 5 years typical
Secondary battery	Type CR2032A 2 months typical
Dimensions H x W mm	88 X 59
Weight grams	186 g Without Batteries
Operating temperature range	From -30ºC to +55ºC From -10ºC to +55ºC with secondary battery
IP Rating	21

Order Codes and Options

20-SGCP100/433-ADV:	Wireless Resettable Call Point

Limitations

* When a low battery condition is indicated, both, main and secondary, batteries must be changed altogether.

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Advanced

Axis EN

Wireless Translator Module - obsolete

The Axis Wireless Translator module allows the Axis Wireless range of intelligent devices to integrate seamlessly on to the Axis hard wired addressable loop. Each Translator module allows the addition of 32 wireless sensors, sounders or output devices. Multiple Translator modules may be put on the same intelligent loop.

The Translator is loop powered, provides full intelligent sensor integration, and allows analogue values, fire and fault information and device type codes to be transmitted to the MxPro 4 series control panels, as well as MxPro 5 and Axis EN. The translator processes messages received from the wireless devices and transmits information about itself and the devices to the control panel.

Operating on the frequency of 433 MHz, its two-way communication provides the highest level of transmission security and reliability.

Programming of the Axis Wireless devices is easily achieved through onboard keys or a PC configuration tool. On-board bi-colour LED's also indicate device status and communication strength which greatly aids commissioning.

The Axis Wireless Translator module is complemented by a range of wireless detectors and ancillary devices including battery operated wall sounders, input and output devices.



Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Patented double orthogonal antennae provides reliable communication
- Unique channel hopping algorithm virtually eliminates signal corruption and fade
- Up to 32 wireless devices allowed with each translator
- System can be programmed through internal keys or a Windows based PC application

Specification

Loop power supply range	from 15Vdc to 40Vdc
Typical current consumption	20mA (at 24Vdc)
Operating frequency range	433.05 MHz - 434.79 MHz
Radiated power range	5 dBm (3 mW)
Radio signal's modulation type	FSK
Number of frequency channels	7
Communication range with wireless expander device	Up to 600 m (in open space) *
Communication range with other wireless devices	Up to 200 m (in open space) *
Maximum linked wireless devices	32 **
Maximum linked wireless expander devices	7 ***
Temperature range	from –30ºC to +50ºC
Tolerated humidity range (no condensing)	from 5% RH to 90% RH
Dimensions H x W x D mm (without antennas)	120 x 160 x 51
Number of antennas	2
External antenna's length	74 mm
Weight grams	300

IP Rating	51C

Order Codes and Options

20-VW2W100/433-ADV:	Wireless Translator Module

Limitations

* Ideal operating range: may vary consistently according to environmental conditions.
** 16 output devices (output modules, sounders...) maximum.
*** 5Axis wireless expanders in cascade connection, maximum.
*** 3Axis wireless expanders connected to another Axis wireless expander, maximum.

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Axis EN

Wireless Voice Annunciator - obsolete

The Axis Wireless Voice Annunciator is a programmable output device reproducing voice messages which can be operated by the control panel using its highly flexible and powerful cause and effect programming capabilities.

The activation command is sent from the control panel to the voice annunciator through the AV wireless translator module.

Up to 3 voice messages can be recorded and stored in to the Wireless Voice Annunciator using a dedicated PC application and connecting to the unit through a serial cable. Each message can have a maximum duration of 32 seconds.

The control panel software provides the option of selecting from the 3 different voice messages.

Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency of 433MHz.



Features

- Up to 3 voice messages
- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 16 wireless Annunciator devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Specification

Operating frequency range	433.05 MHz - 434.79 MHz
Max radiated power	5dBm(3mW)
Radio signal's modulation type	FSK
Operating frequency channels	6
Communication range with 20-VW2W100-ADV Or 20-SGWE100-ADV*	Up to 50m (in open space)
Main battery type	CR123A (3V&1.2Ah)
Secondary battery type	CR123A (3V&1.2Ah)
Main battery lifespan	**5years***
Secondary battery lifespan	**2months***
Temperature range	-10°C-+55°C
Tolerated humidity range (non condensing)	From 5%RHTO95%RH

Dimensions (HxD)	70x170mm
Weight (without batteries)	410g
IP Rating	20C

Order Codes and Options

SGVA100/433-ADV:	Wireless Voice Annunciator

Limitations

* Ideal operating range: may vary consistently according to environmental conditions.
** When a low battery condition is indicated, both, main and secondary, batteries must be changed altogether.
*** These lifespan values refer to the device being programmed with a control signals transmission period of 12 seconds. If the 20-SGVA100-ADV is activated for 30 seconds a week for test, the primary battery's lifespan reduces to 3 years.

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Axis EN

Wireless Wall Sounder - obsolete

The Axis Wireless Wall Sounder is designed to fully meet the requirements of the European standard EN 54-3. The sounder incorporates a rotary volume control and the installer can select from three different operating tones using on-board tone selection switches. A special release tool is also supplied for opening the base.

Each device is powered using low cost lithium batteries. Both primary and secondary batteries are continuously monitored for low battery condition which is indicated by an internal LED as well as a fault condition being displayed at the translator module and the fire control panel.

Each module will automatically adjust its frequency and manage its power radiation in accordance with the signal quality received from the AV wireless translator module. Bi-directional communications with the wireless translator is based on a proven protocol and wireless technology and is fast, reliable and provides the highest level of security.

The wireless communications operates on the frequency of 433 MHz.

Limitations:

* Ideal operating range: may vary consistently according to environmental conditions.

** When a low battery condition is indicated, both, main and secondary, batteries must be changed altogether.

*** These lifespan values refer to the device being programmed with a control signals transmission period of 12 seconds. If the 20-SGRS100-AV is activated for 30 seconds a week for test, the primary battery's lifespan reduces to 4 years.



Features

- Bi-directional communication protocol between all wireless devices
- Rapid, cost effective installation with minimal disturbance
- Fully Intelligent devices
- Up to 32 wireless devices allowed with each translator
- Fully Monitored Primary and Secondary Power Source

Specification

Operating frequency range	433.05 MHz - 434.79 MHz
Max radiated power	5 dBm (3 mW)
Radio signal's modulation type	FSK
Operating frequency channels	7
Communication range	200 m (in open space)
Main and secondary batteries	CR123A (3 V & 1.2 Ah)
Main battery lifespan	** 5 years ***
Secondary battery lifespan	** 2 months ***
Operating temperature	-10ºC - +55ºC
Max tolerated humidity (no condensing)	95% RH
IP rating	Type A / IP21C
Sound output (selectable)	100 dB or 90 dB

Dimensions H x W mm	106 x 91
Weight grams	240 w/o batteries
IP Rating	42

Order Codes and Options

20-SGRS100/433-ADV:	Wireless Wall Sounder

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Axis EN

Mimic Controller - obsolete

The Mimic Controller provides a convenient and cost effective solution to any system that requires supplementary graphical indication of the installation via LED technology.

These units, unlike a panel mounted LED array, which to be meaningful must also have a printed lookup table or picture adjacent to the panel, provide an unambiguous graphical representation of the actual zones in fire.

The unit can be mounted either internally in an Axis EN multi-loop control panel, or alternatively, in a bespoke remote enclosure. Each unit comprises a graphical representation of the installation together with a programmable mimic driver card and LED indicators. The mimic diagram is copied from a standard CAD drawing provided by the client and the finished unit is supplied pre-wired and ready to power-up.

Applications / Limitations

The 100 Way Network Mimic Controller is a stand-alone unit with / without its own EN54-4 power supply and charger. Each output on the card is fully programmable using a PC programming suite.

Features

- 100 programmable LED driver outputs for energising and providing LED indication
- Expandable to 200 by installation of an expansion card
- Supports the connectivity of 10 Way Relay Output Card
- Large full-colour graphical indication for site maps, building layouts or simply zonal indication.
- Can be located remotely by simply adding the type of mimic interface onto the Ad-Net/Ad-NeT+ Network
- Supplementary graphical indication
- Zonal or fully programmable LED option
- Fully networkable
- Full-colour mimic option
- 3 year warranty as standard

Specification

AC Supply (Boxed Versions)	220-240V AC (+10-15%) 50-60Hz 1.6A. Support for up to 2 x 12V 7Ah batteries
DC Supply (PCB) @ 24V DC	18-28V DC 63mA (/FT 101mA) + 0.8mA per LED energised
Output Drive Circuit	3.3V 4mA current limited (for direct LED connection)

Order Codes and Options

Mxp-020-100(/FT)*:	100 Way Network Output Controller (Unboxed)
Mxp-027(F):	100 Way Expansion Card (Fitted)
Mxp-052(F):	10 Way Relay Card (Fitted)
Mxp-026(F):	High Intensity LED (Red/Green/Yellow - Fitted)
* /FT:	Denotes fault tolerant version

Compatibility

The Mimic Controller is compatible with all Axis EN control panels from software revision 019-04 using the Ad-Net peer-to-peer or standard network platform. The Mimic Controller is programmable using the Pc-NeT-03 Mx configuration tool revision 4.19 onwards.

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Axis EN

Modem Interface - obsolete

The Modem Interface card is a peripheral interface for use with theAxis EN range of control panels.

The unit permits remote PC connection for interactive control panel interrogation via the software package PC-Net-004.

The unit can be supplied in PCB format for internal panel mounting, or in an enclosure for remote mounting.

This unit has the following diagnostics

Heartbeat LED Indicator:

During initial power up, LED 3 will flash at a rate of 2Hz. After approximately 5 seconds it will revert to 1Hz indicating normal operation.

Modem Status LEDs

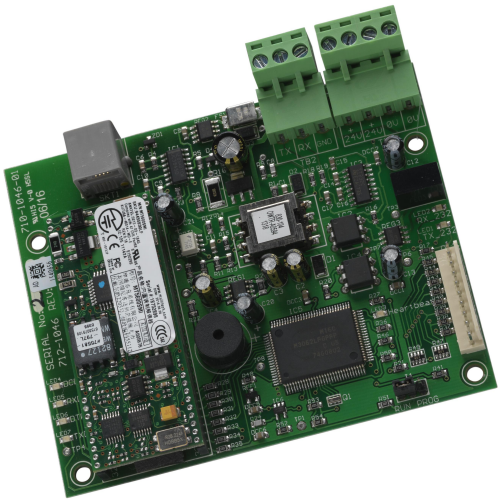
- DCDIND – Telephone connection established
- RXIND – Receipt of data by modem
- DTRIND – Always illuminated
- TXIND – Data transmission by modem

RS232 Activity LEDs

- RX – Receipt of data from fire panel
- TX - Transmission of data to fire panel

Applications / Limitations

The modem will allow interactive interrogation of the connected fire product including transfer of the event log using Pc-Net-004 software.



Features

- Can be internally mounted or remotely fitted.
- Uses Pc-Net-004 for PC to site connection
- 3 year warranty as standard

Specification

Power Supply	15-30V DC (e.g. wired from panel 24V auxiliary supply)
Supply Current	100mA (typical at 24V DC)
Temperature	-5°C to 50°C
Humidity	95% humidity (non condensing)
Dimensions H x W x D mm	Enclosure: 218 x 300 x 45

Order Codes and Options

Mxp-028(F)*:	Modem Card
Mxp-028-BX:	Modem Card (Boxed)
(F)*:	add - Fitted (Not Mx-4100, Mx-5101)

Compatibility

Internal fitting of the Modem Interface is applicable only to the Axis EN 1, 2, 4 & 8 loop control panels. The BX version can be used with all Axis EN control panels.

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Axis EN

Mimic Relay Card - obsolete

The Peripheral Relay Card provides 10 30V DC, 1A programmable relay outputs.

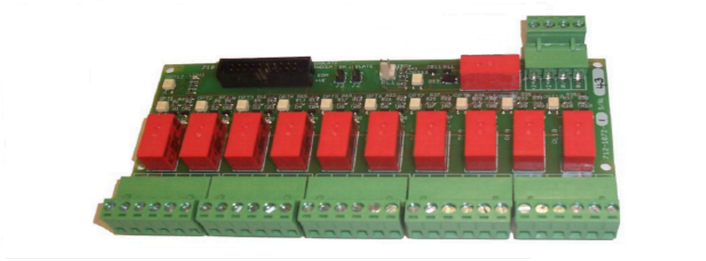
The Peripheral Relay Card connects directly to any of the DIL connectors of either the Network Mimic 100 LED Output Card or the Multi way Input/Output Card unit via the supplied ribbon cable.

Each output follows the cause-and-effect programming of the mimic unit output.

This can be either a simple zone output or can be an individually programmed output group rule utilising the full range of features of theMxPro 5 and Axis EN dynamic zoning facilities.

Applications

These units can be used where many relay outputs are required for simple on/off signalling or control.



Features

- Ten change-over contacts outputs at 30Vdc, 1A
- DIN rail or screw fixing options
- Seperate isolate input (disables all outputs)
- Seperate isolate indication output
- Fast response

Specification

Enclosure Dimensions H x W x D mm	PCB: 90 x 160 x 15
Enclosure Dimensions H x W x D mm	DIN rail: 90 x 160 x 40
DIN rail	Module mounts onto 32mm G Section and 35mm top hat (En50022) DIN rail
PCB Dimensions H x W x D mm	35 x 142 x 70
Operating Temperature	-5°C to 40°C
Relay Contacts	10 volt free change over contacts
Contact Rating	30V DC, 1A resistive
Power Supply (Card)	24v DC nominal (21-28V DC)
Current (@24V DC)	Quiescent: 0mA, relay on:13mA (per relay)
LED Indication	Relay circuit on (per relay)
Disable Control Inputs	Volt free input and mimic output drive option
Disable Indication	Open collector output

Order Codes and Options

Mxp-052:	Mimic driven 10 way relay card
Mxp-052-DIN:	Mimic driven 10 way relay card in DIN rail carrier

Compatibility

Can be used with any of the network mimic units or the multi-way Input/Output card

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The Peripheral Relay Card provides 10 30V DC, 1A programmable relay outputs.

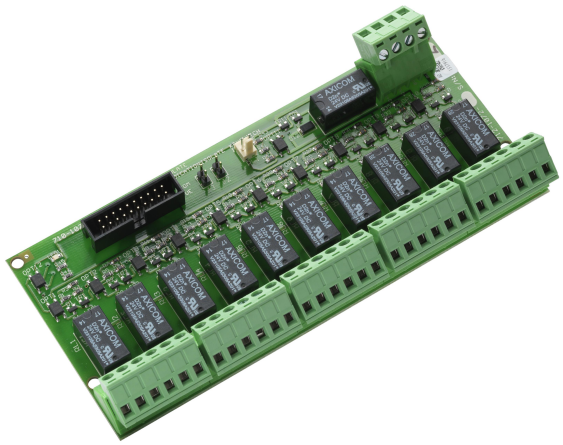
The Peripheral Relay Card connects directly to any of the DIL connectors of either the Network Mimic 100 LED Output Card or the general I/O controller LED Output Card unit via the supplied ribbon cable.

Each output follows the cause-and-effect programming of the mimic unit output.

This can be either a simple zone output or can be an individually programmed output group rule utilising dynamic zoning.

Applications

These units can be used where many relay outputs are required for simple on/off signalling or control.



Features

- Ten change-over contact outputs rated at 30V DC, 1A.
- Up to 200 individual relay outputs fully programmable per mimic (excluding LEDs)
- Ten individually programmable relay outputs per unit
- DIN rail or screw fixing options
- Separate isolate input (disables all outputs)
- Separate isolate indication output
- Fast instant response

Specification

Enclosure Dimensions H x W x D mm	PCB: 90 x 160 x 15
Enclosure Dimensions H x W x D mm	DIN rail: 90 x 160 x 40
DIN rail	Module mounts onto 32mm G Section and 35mm top hat (En50022) DIN rail
PCB Dimensions H x W x D mm	35 x 142 x 70
Operating Temperature	-5°C to 40°C
Relay Contacts	10 volt free change over contacts
Contact Rating	30V DC, 1A resistive
Power Supply (Card)	24v DC nominal (21-28V DC)
Current (@24V DC)	Quiescent: 0mA, relay on:13mA (per relay)
LED Indication	Relay circuit on (per relay)
Disable Control Inputs	Volt free input and mimic output drive option
Disable Indication	Open collector output

Order Codes and Options

Mxp-052:	10 Way Relay Card
Mxp-052-DIN:	10 Way Relay Card in DIN Rail Carrier

Compatibility

Can be used with any of the Peripheral Relay Card mimic units or the I/O units.

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Sounder Booster Card - obsolete

The Sounder Booster is a peripheral unit that utilises a standard sounder circuit (panel or loop driven), and provides increased sounder output capability.

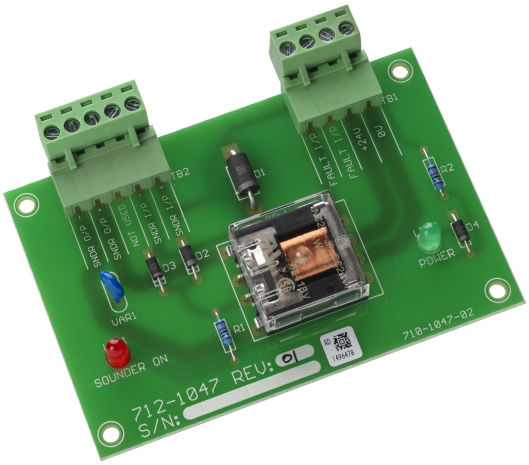
This boosted output is fully monitored for open and short circuits and will take an independent supply to provide up to 4A of sounder current to a single circuit.

On-board indication via 2 LED indicators located on the booster PCB enable the user to view when an output has been triggered and when an external power supply has been connected.

Applications / Limitations

The sounder booster is used where a single sounder output circuit of up to 4A is required.

Each of the panel's sounder outputs can only monitor a single circuit. The unit must therefore be situated at the end of the panel's sounder output circuit to maintain correct fault monitoring.



Features

- Increased sounder capability up to 4A
- On-board indication
- PSU fault input contacts
- Cost effective against ancillary hardware
- 3 year warranty as standard

Specification

Sounder Input	"SNDR I/P+" and "SNDR I/P-" connect to the input trigger (panel sounder output circuit) 1 monitored sounder circuit (total maximum load = 4A)
On board indication	1 red sounder LED. LED illuminates when the output is triggered. 1 green power LED. LED illuminates when an external supply is connected.
On board indication	Input: 230V AC 50Hz Output: 5 Amp EN54 power supply. Nominal output voltage = 27.3V DC
Current Consumption (Derived from sounder circuit I/P)	Quiescent: 0mA Driving: 17mA
Dimensions H x W x D mm	PCB only: 70 x 105 x 18

Order Codes and Options

Mxs-025:	4A Sounder Booster Card (requires a minimum 4 Amp power supply and enclosure

Compatibility

The Sounder Booster Card is compatible with allAxis EN control panels.

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Axis EN

Sounder Splitter Card - obsolete

The Sounder Circuit Splitter is a peripheral unit for use with allAxis EN control panels.

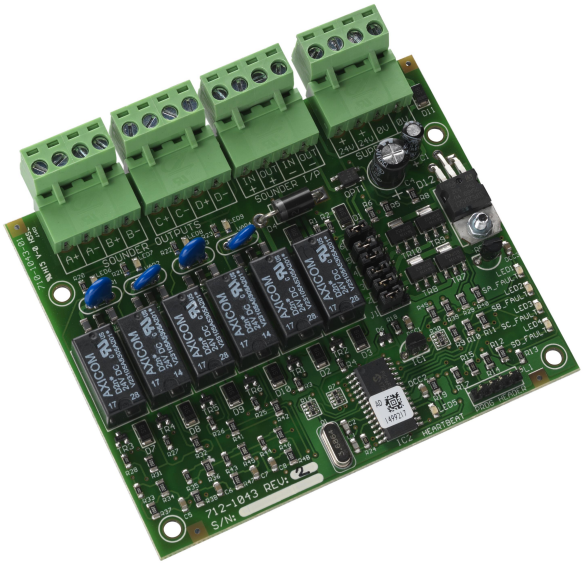
This additional unit takes a standard sounder circuit from either a control panel or other panel-based sounder circuit controller and multiplies to provide up to 4 monitored outputs.

In operation, the additional outputs follow the output they are connected to. The circuits are fully monitored for open and short circuit and will take an independent supply to provide up to 1A per circuit.

Applications / Limitations

The 4-way sounder splitter card can be supplied as a PCB only for mounting. When supplied fitted in this format, the load at the outputs from the splitter will be limited to the sounder output loading of the input circuit from which it is driven.

All 4 outputs on the sounder splitter card will operate in tandem, and follow the output of the sounder circuit to which the card is connected.



Features

- 4 monitored outputs
- Up to 1 Amp per circuit
- Cost effective against ancillary hardware
- 3 year warranty as standard

Specification

Sounder Input	“IN+” and “IN-” - connect to the input trigger (panel sounder output circuit) “OUT+” and “OUT-” - connect to the remainder of the input sounder circuit or terminate with a 10KΩ EOL resistor.
On Board Indication	4 “red” sounder LED’s - LED’s illuminate when the output is triggered 4 “yellow” Fault LED’s - LED’s illuminate if the corresponding sounder circuit has a short or open circuit
1A Splitter Sounder Outputs	4 monitored sounder circuits (Total maximum load across all circuits = 1A)
Power Supply (Sounder Outputs)	Sounder output supply provided by the input (trigger) sounder circuit
Power Supply (Card)	Quiescent: 25mA Driving: 50mA
4A Spliter Sounder Outputs	4 x 1A rated monitored sounder circuits
Power Supply (Sounder Outputs)	Sounder output supply provided by an external 24Vdc 4A supply
Power Supply (Card)	Quiescent: 30mA Driving: 55mA

Order Codes and Options

Mxs-021:	4 Way Sounder Splitter Card

Compatibility

The Sounder Splitter Card is compatible with all Axis EN control panels.

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ipGateway - obsolete

The ipGateway connects to an existing Ad-Net fire panel network, and provides a gateway to the network from any remote location over the internet.

By gathering real time information from the fire network it gives a visual indication of the state of the fire panel network through a standard web browser.

The state of each device on the network is displayed in a clear and concise manner.

Interaction with the fire network is also available, providing the functionality to enable/disable zones, enable/disable devices, reset, mute, and silence/resound sounders on the network.

The ipGateway can also be configured to react to events on the network by sending emails to configured recipients.

Applications / Limitations

Provides remote access to devices on an Ad-Net/Ad-Net+ Network.

Configurable event email notification.



Features

- Remote access to Ad- Net fire network using a standard web browser
- Password protected
- Multiple user permissions
- Event notification via email
- Configurable over the internet
- No proprietary software required

Specification

Supply Voltage input	18-28V DC
Supply Current	48mA(/FT: 86mA) at 24V DC
Enclosure H x W x D mm	IP30: 218 x 300 x 45
Weight	2 Kg
Knockouts	4 top, 4 bottom, 4 bottom rear
Temperature range	-5°C to 50°C / 95% humidity (non-condensing)
Serial Interface	Isolated RS 232 interface
Fault Input	Monitor input for power supply fault output
Indications	On-board LED indicators for heartbeat, network transmit/receive, RS232 transmit/receive, LAN Activity, LAN Connectivity, LAN Run 7
Ethernet Interface	10Base-T, RJ45

Order Codes and Options

MXP-554:	ipGateway (Card Only) Standard Network
MXP-554/FT:	ipGateway (Card Only) Fault Tolerant Network
MXP-554-BX:	ipGateway (Boxed) Standard Network
MXP-554-BX/FT:	ipGateway (Boxed) Fault Tolerant Network

Compatibility

The ipGateway can be connected to any Ad-Net/Ad-Net+ network system and Local Area Network. This interface can be configured using PC-NET-003 configuration software v5 onwards, and panel software version 23.02 onwards.

Browsers – Most versions of Internet Explorer and Firefox.

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