

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 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 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 °C - +55°C
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	0.5mm ² to 2.5mm ²
IP Rating	65

Order Codes and Options

20-SGMCB100/433-ADV:	Wireless Battery Operated Output Module
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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	-10°C - +55°C
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
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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 the Axis 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).

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 -30°C to +50°C
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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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

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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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 -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-SG200/433-ADV:	Wireless Heat Enhanced Photoelectric Smoke Detector
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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 -30°C to +55°C From -10°C to +55°C with secondary battery
IP Rating	65

Order Codes and Options

20-SGMI100/433-ADV:	Wireless Input Module
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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 -30°C to +55°C
IP Rating	65

Order Codes and Options

20-SGMC100/433-ADV:	Wireless Output Module
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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 wired Axis 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 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 EN54-7 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 -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-SG100/433-ADV:	Wireless Photoelectric Smoke Detector
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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	0°C - +55°C
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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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.

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 -30°C to +55°C From -10°C to +55°C with secondary battery
IP Rating	21

Order Codes and Options

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



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

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

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 -30°C to +50°C
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
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Order Codes and Options

20-VW2W100/433-ADV:	Wireless Translator Module
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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.

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%RH to 95%RH

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

Order Codes and Options

SGVA100/433-ADV:	Wireless Voice Annunciator
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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.

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	-10°C - +55°C
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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