

ATS1236

32 zones 433 MHz
wireless receiver DGP



OVERVIEW

The ATS1236 wireless receiver adds wireless capabilities to the Axon series range of panels.

The wireless expander supports most of the legacy 433 MHz 63-bit transmitters as well as the new generation of 433 MHz LoNa transmitters of which the wireless communication is fully encrypted, avoiding unauthorized interference. Up to 32 wireless sensors and up to 16 keyfobs can be learned in.

The ATS1236 wireless receiver provides two wired zone inputs and one programmable relay output.

INSTALLATION AND PROGRAMMING

The wireless DGP needs to be installed outside the panel housing in order to ensure maximum wireless range. The 433 MHz wireless solution will monitor the status and presence of each wireless device and will respond in case of an RF jamming condition.

The ATS1236 wireless receiver can be programmed from the keypad as well as from the downloader. The firmware of the module is remotely upgradeable.

EXPANDERS

Expanders are used to expand the number of alarm inputs in an Axon series system. Expanders allow inputs and outputs/relays to be connected at a location remote from an Axon series panel. Expanders communicate via poll & reply messages. Detectors, door contacts and other detection devices are connected to expanders that report any change of state to the control panel for processing.

Available expanders include support for conventional devices, wireless devices as well as intelligent addressable devices. A special expander is available providing expansion of four intelligent doors or lifts.

SYSTEM DATABUS CONNECTION

The system databus is used to connect expanders as well as keypads and readers (RASs) to the Axon series control panel. Remote devices can be up to 1.5 km from a control panels when using the preferred wiring and cable types.

FEATURES

- Expand the Axon series panel with 32 wireless zones
- Includes two wired zone inputs
- One programmable SPDT Form C relay output
- Supports legacy 63-bit 433 MHz and new LoNa 433 MHz transmitters (one way)
- Quick configuration using the Aritech "Learn Mode" technology
- Removable terminals
- Firmware upgradeable

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SPECIFICATIONS

General	
Expander type	Wireless expander
Product line	Axon
Connection type	Databus connection
Compatibility	433 MHz 63 bit and 433 MHz LoNa (one way sensors)
Max. distance from panel	1.5 km
Max. per panel	15 on one panel bus
Specified cable	Shielded RS485
System	
Addressing	DIP Switches
Input	
Total	32
No. of wireless zones	32 wireless sensors (one way)
Onboard	8
Output	
Total	32
Onboard	1
Type of outputs	SPDT Form C relay
Electrical	
Power supply type	9.5 to 14.4 VDC
Current consumption	Typical 45 mA @ 12 VDC max. 56 mA @ 9.5 VDC
Integrated power supply	No
Physical	
Physical dimensions	165 x 125 x 36 mm
Net weight	160 g
Colour	White
Material	ABS plastic
Environmental	
Operating temperature	-10 to +55°C
Relative humidity	95% noncondensing
Regulatory	
Compliance	CE, RCM