

ATS1235

16-32 zones Gen2 868AM wireless receiver including plastic housing

Product Overview

The ATS1235 Advanced Wireless Data Gathering Panel (DGP) receiver expands the Advisor Advanced & Master panel's input capability respectively by up to 32 zones using UTC F&S 868MHz Gen 2 Wireless Sensors: i.e. PIR, Glassbreak etc. Maximum distance from the panel is 1500 meters.

The ATS1235 features spatial diversity to minimize wireless signal nulls or dead spots and has a nominal open-air receiving range of 400m. If dead spots need to be eliminated, a 868MHz repeater may be used. It may be powered from the Advisor Master BUS power or a remote auxiliary power supply.

Fob buttons may be programmed for users to arm and disarm or to control relays.

With ATS1235 Advanced wireless DGPs, the ATS panel can be configured as a hybrid system where you can optimise the system by distributed receivers in the premises.

Data Gathering Panels

Data Gathering Panels (DGP) are used to expand the number of alarm inputs on the system and allow inputs and relays to be connected at a location remote from the Advisor Advanced / MASTER panel. DGPs communicate via poll & reply messages and send alarms to the control panel for processing. The DGPs collect information from detectors, door contacts and other similar devices. There are DGPs available for conventional devices, wireless devices as well as for intelligent addressable devices. A special DGP is also available for collecting the information for either four doors or lifts.

System databus connection

The system databus is used to connect Data Gathering Panels (to provide extra zones) and Arming Stations to the ATS control panel. Remote devices can be up to 1.5 km from an ATS control panels. Arming stations and Data Gathering Panels must be connected via a 2 pair twisted shielded data cable from the system databus connection. (WCAT 52 is recommended). The shield of the data cable should be connected to earth at the ATS control panel and should be left disconnected at any other end.

Functionality

The ATS1235 Wireless Data Gathering Panel (DGP) receiver expands the Advisor Master panel's input capability by up to 32 zones and the ATS Advanced by 16 zones using UTC F&S ""Learn Mode"" 868MHz Wireless Transmitter. The ATS1235 may be located up to 1500 meters from the ATS Control panel using a WCAT52/54 cable.

Fob buttons may be programmed for users to arm and disarm



Standard Features

- Expands the Advisor Advanced panel with 32 wireless zones
- Expands the ATS Master panel's input capability by up to 32 wireless zones
- Using the UTC Security "Learn Mode" 868MHz Wireless Transmitter Sensors (crystal or SAW)
- May be located up to 1500 meters from the Advisor Master panel using WCAT52/54 cable.
- Features spatial diversity to minimize wireless signal nulls or dead spots and has a nominal open-air receiving range of 460m
- If dead spots need to be eliminated a UTC Fire & Security 868MHz repeater may be used
- Powered from the panel BUS power or a remote auxiliary power supply
- Fob buttons may be programmed for users to arm and disarm or to control relays
- To remotely open and close a garage door as well as arm or disarm an office security system

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or to control relays, for example, to remotely open and close a garage door as well as arm or disarm an office security system.

EN50131

The ATS1235 meets prEN50131-5-3:2004 Grade 2 specifications for wireless systems like Detector supervision and local and remote attenuation of -6dB for commissioning and maintenance.

Specifications

General

Expander type	Wireless expander
Product line	Advisor Advanced, ATS Master
Connection type	Databus connection
Compatibility	868MHz Gen2 sensors
Max. distance from panel	1.5 km
Max. per panel	15 / 30 (depending on panel type)
Specified cable	WCAT52/54
ATS Master firmware	FW v04.09.16 or higher
Advisor Advanced firmware	FW v017.017.0067 or higher

Inputs

No. of wireless zones	32
No. of wireless keyfobs	16

Wireless

Operating frequency	868 MHz AM
Wireless open-air range	400 m

System

Addressing	DIP Switches
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Electrical

Operating voltage	9.5 to 14.4 VDC
Current consumption	70 mA ±10%
Integrated power supply	No

Physical

Physical dimensions	165 x 115 x 40 mm
Net weight	350 gr
Housing	TX-9000-03-1

Environmental

Operating temperature	-10 to +55°C
Relative humidity	95% non-condensing
Environment	Indoor
Class	Class II

Standards & regulation

Certification	EN50131 Grade 2
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Ordering Information

Part No.	Description
ATS1235	16-32 zones Gen2 868AM wireless receiver including plastic housing
TX-1011-03-1	Slimline door/window sensor 868 MHz Gen2, white
TX-1011-03-3	Slimline door/window sensor 868 MHz Gen2, brown
TX-1211-03-1	Longlife door/window sensor 868 MHz Gen2, white
TX-1211-03-3	Longlife door/window sensor 868 MHz Gen2, brown
TX-2211-03-1	Wireless PIR Motion Sensor, 868 MHz Gen2
TX-2212-03-1	PIR motion sensor 868 MHz Gen2 Pet Immune
TX-2411-03-1	Dual Motion Sensor, 868 MHz Gen2
TX-3011-03-1	2 button panic 868 MHz Gen2, white
TX-4131-03-2	4 button keyfob 868 MHz Gen2
TX-5011-03-1	Shock sensor 868 MHz Gen2, white
TX-5011-03-3	Shock sensor 868 MHz Gen2, brown
TX-6212-03-1	Smoke sensor RF 868 MHz Gen2
TX-9000-03-1	Empty housing for 868 MHz Gen2 ATS1235 receiver, ATS1238 receiver and TX-9001-03-1 repeater
TX-9001-03-1	Smart repeater for wireless 868Gen2 sensor range