



Product Data Sheet

ATS1234

ATS 32-Zones Advanced Wireless DGP on 868MHz

Product Overview

The ATS1234 Advanced Wireless Data Gathering Panel (DGP) receiver expands the Advisor Master panel's input capability by up to 32 zones using GE Security 868MHz Wireless Sensors: i.e. PIR, Glassbreak etc. Maximum distance from the Advisor MASTER panel is 1500 meters.

The ATS1234 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 ATS1234 Advanced wireless DGPs, the ATS panel can be configured as a 240 zone wireless 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 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.



Standard Features

- Expands the Advisor Master panel's input capability by up to 32 zones
- Using the GE 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 GE Interlogix 868MHz repeater may be used
- 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
- To remotely open and close a garage door as well as arm or disarm an office security system

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Specifications

Compatibility	Advisor Master panels: Version 04.03.04 or later. GE Security 868 MHz (crystal and SAW) Learn Mode wireless sensors
Number of Wireless Zones	16 or 32 per Wireless DGP (Programmable)
Power required	12 VDC nominal (13.8 V Max) 80 mA maximum
Maximum recommended BUS distance	1500 meters using WCAT52/54, 2-pair twisted, shielded data cable.
Storage Temperature	-33° to 60° C (-30° to 140° F)
Operating Temperature	0° to 60°C (0°to 140° F)
Maximum Humidity	90% relative humidity, non-condensing
Wireless Signal Range	400 meters nominal may vary with application!
Dimensions	10.4 cm x 13.2 cm x 2.7 cm (L x W x H), excluding antenna 19.2 cm x 13.2 cm x 2.7 cm (L x W x H), with antenna

Ordering Information

Part No.	Description
RF300W8B	Universal Transmitter Brown RF878 MHz
RF354W8	4 Button Keyfob RF 868 MHz
RF425W8	EV425 PIR 868 MHz
RF425W8PI	EV425 PIR RF 868 MHz Pet Immune
RF572NSW8	Smoke Sensor RF 868 MHz
RF903W8	Accoustic Glassbreak RF 868 MHz
ATS1234	ATS 32-Zones Advanced Wireless DGP on 868MHz
DD205RFW8	Wireless, range controlled dual motion sensor 868 MHz / FM

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 ATS1234 Wireless Data Gathering Panel (DGP) receiver expands the Advisor Master panel's input capability by up to 32 zones using GE Security "Learn Mode" 868MHz Wireless Transmitter Sensors (crystal or SAW). The ATS1234 may be located up to 1500 meters from the Advisor MASTER panel using a WCAT52/54 cable. Fob buttons may be programmed for users to arm and disarm 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 ATS1234 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.

