



GE Interlogix

ARITECH

ATS/CA1230 Wireless DGP on 433MHz Installation Guide

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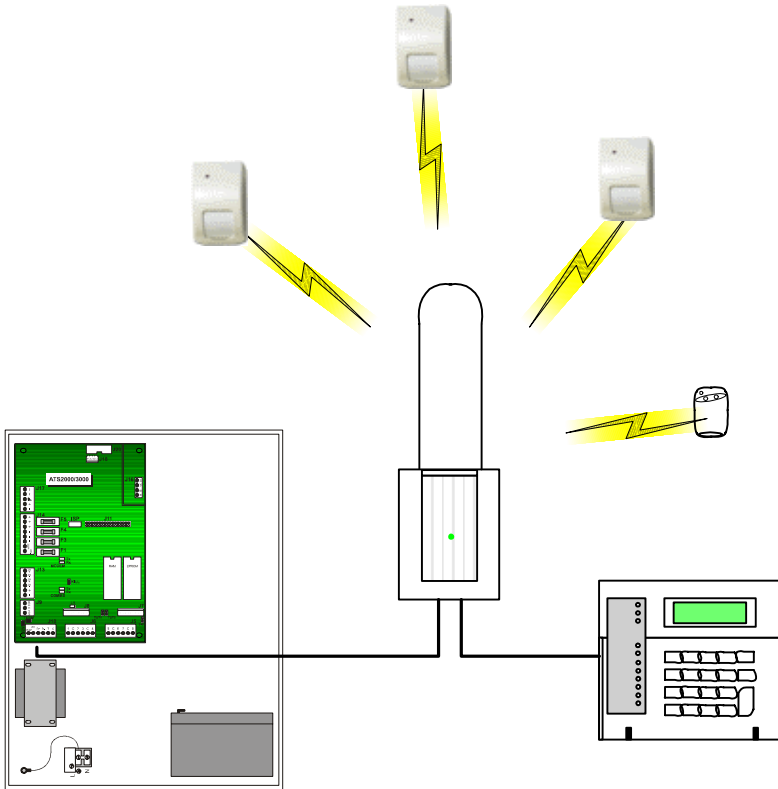


Fig. 1

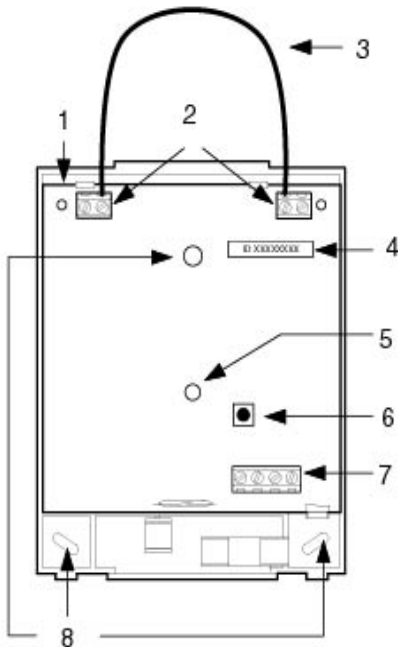


Fig. 3

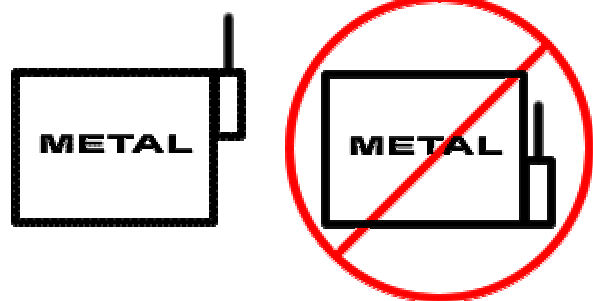


Fig. 2

Examples

Address	Setting	Address	Setting
1	1000	8	0001
2	0100	9	1001
3	1100	10	1010
4	0010	11	1011
5	1010	12	1100
6	0110	13	1101
7	1110	14	1110
		15	1111

Fig. 4

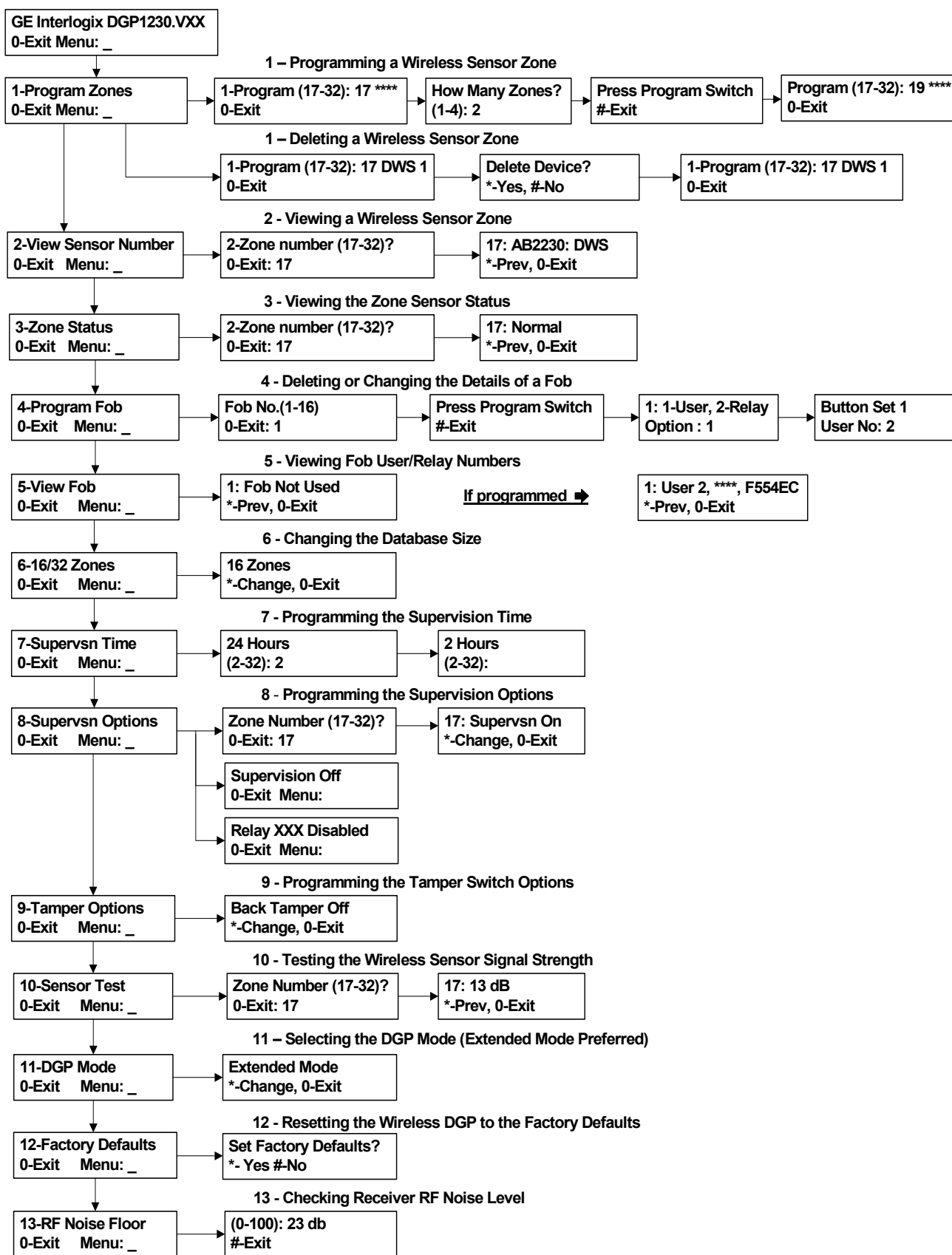


Fig. 5

INTRODUCTION

The ATS1230 Wireless Data Gathering Panel (DGP) receiver expands the ATS control panel's input capability by up to 32 zones using GE Interlogix™ Learn Mode™ 433MHz Wireless Transmitter Sensors (crystal or SAW).

- The ATS1230 requires version ATS40xx.04.05.10 ATS control firmware and above.
- Up to 15 DGP's can be connected to the ATS Control Panel providing:
 - 240 wireless zones (also known as inputs), or up to 240 fobs to arm/disarm area or activate/deactivate relay controls.
- The maximum recommended data bus length is 335 metres (1100ft) when one or more ATS1230 Wireless DGP is connected.
- The Wireless DGP features spatial diversity to minimise wireless signal nulls or dead spots and has a nominal open-air receiving range of 460 metres.
- If dead spots need to be eliminated, a GE Interlogix 433MHz repeater may be used.
- The Wireless DGP may be powered from the ATS control panel data bus or a remote auxiliary power supply.
- 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 a security system.

The basic component overview is shown in figure ①

DESCRIPTION OF THE ATS1230 (REF TO FIG ①)

- | | |
|---|------------------------|
| 1 | Circuit board |
| 2 | Antenna terminal Block |
| 3 | Loop antenna |
| 4 | Device ID number label |
| 5 | Status LED |
| 6 | Cover tamper |
| 7 | Terminal strip |
| 8 | Mounting holes |

BASIC SYSTEM LAYOUT (REF. TO FIG. ①)

The ATS control panel collects the data from the wireless DGP on the data bus. It provides the power supply to the DGP or a remote 220V powered DGP can supply power to the ATS1230.

The ATS1230 receives the RF signal from the wireless devices i.e. PIR, FOB or Smoke Detector.

A programmable supervisory signal checks the state of the devices in the field. Transmitters send one supervisory signal every 64 minutes. For more details of the supervision functionality, refer to menu 7 and 8 of the Wireless DGP.

MOUNTING LOCATION

The ATS1230 can be mounted on any interior wall. Leave 16 cm above the wireless DGP plastic enclosure for the antenna.

IMPORTANT:

- Avoid areas likely to expose the wireless DGP to moisture.
- Avoid excessive metal or electrical wiring, e.g. furnace & utility rooms.
- If mounting wireless DGP near metal, give the antenna as much clearance as possible.

MOUNTING THE UNIT

Mounting the ATS1230 DGP (Ref. to fig. ②)

- 1) Remove power from the ATS control panel before commencing installation.
- 2) Remove the ATS1230 plastic cover.
- 3) Hold the base of the ATS1230 against the mounting surface and mark the three mounting holes. (Leave 18 cm of free space above for the antenna.)
- 4) Drill holes and insert screw anchors, if required.

- 5) Secure the unit to the mounting surface with screws provided. If mounted near metal, give the antenna as much clearance as possible.
- 6) If back tamper is required, secure the magnet (supplied) close to reed switch (for more detailed instruction, refer to the comprehensive Installation Guide & Programming Guide of the ATS1230).



Remember to enable the rear tamper in the ATS1230 menu option 9 - Tamper Options.

CONNECTING THE ATS1230 (REF. TO FIG. ③)

- 1) Connect the four BUS cable wires to the terminal strip on the DGP.
 - +12
 - A = D+
 - B = D -
 - GND
- 2) Connect the BUS cable directly to the ATS control panel BUS and Auxiliary power or use a separate power cable to the nearest 220V-powered DGP. (In that case, 0V needs to be connected to the panel and the DGP as well).

The ATS1230 may be located up to 335 meters (1100 feet) from the ATS control panel using a WCAT52/54 cable. (See example below.) This cable has a core with a gauge of AWG24, the diameter is 0.52mm and the Area is 0.22mm².

WIRING SPECIFICATIONS

Wire Gauge / diameter (Unshielded or Shielded)			Max. Wire length between module and panel	
AWG	Diameter	Area	Feet	Meters
24	0.52 mm	0,22 mm ²	1100	335

CONNECTING THE ANTENNA TO THE MODULE

Loosen the inside terminals of the left and right antenna terminal blocks. Insert the antenna into the innermost terminals of the antenna terminal block at the top of the circuit board and tighten the screws (Insert antenna through cabinet top holes first when module is mounted inside panel cabinet). The ATS1230 tamper will not reset unless the antenna is correctly installed.

ADDRESSING THE ATS1230 (REF. TO FIG. ④)

Each Wireless DGP, connected to the ATS control panel BUS **must** identify itself to the ATS control panel with its own address, set with the DIPswitches on the DGP. Figure ④ shows 2 possible settings of the DIPswitch and the table shows the 15 possible Wireless DGP addresses.



Address 0 is a factory test setting — do not use it!

CLOSING THE ATS1230 WIRELESS DGP HOUSING

- 1) Replace the plastic cover. Make sure the cover tamper switch extension spring is in place on the tamper switch.
- 2) Mount sensors and 433MHz Repeater (a Repeater can be added later if sensor performance or signal strength is found to be inadequate).

POWERING UP THE ATS1230 WIRELESS DGP

Before powering up the panel and receiver module:

- 1) Verify that all wiring at the panel and ATS1230 wireless receiver is correct.
- 2) Connect the panel backup battery and AC power. Verify that the receiver module status LED is on. For trouble shooting refer to the chapters: Testing and Installation Trouble Shooting

ZONE AND OUTPUT NUMBERING

Control panel	1 - 16	DGP8	129 - 144
DGP1	17 - 32	DGP9	145 - 160
DGP2	33 - 48	DGP10	161 - 176
DGP3	49 - 64	DGP11	177 - 192
DGP4	65 - 80	DGP12	193 - 208
DGP5	81 - 96	DGP13	209 - 224
DGP6	97 - 112	DGP14	225 - 240
DGP7	113 - 128	DGP15	241 - 256

OUTPUT NUMBERING

On a Wireless DGP address range, the panel can have a maximum of 16 outputs available as relays or open collectors outputs. The output numbers are the same as the 16 zone numbers allocated to the DGP address. The Wireless DGP has no physical output or output expansion available!

Note: Remember that the first relay of each DGP (Relay 17 for DGP 1) can be used to mask supervision on sensors by using time zones to energise/de-energise the virtual relay. (See Menu option 8 – Supervision Options)

ZONE NUMBERING

The Wireless DGP zone database can be set up as either a 16-zone or 32-zone database. This means you can add up to 16 or up to 32 wireless devices to the DGP. If the DGP 1 is been programmed with 32 zones, then the next 16 zones (33-48) normally belonging to DGP 2 will now belong to DGP 1 and the RAS display would show 17-48 (for more details, refer to Menu 6, Changing the Database Size).

INTRODUCTION TO THE PROGRAMMING (REF. FIGURE 5)

Each sensor must be programmed into the Wireless DGP database via an ATS control panel RAS keypad. In this procedure it's assumed the:

- Sensor / key fob documentation is available or known (i.e. how many zones are available / necessary for that specific sensor).
- The DIPswitch address for the Wireless DGP is set correct.
- The DGP's database size has been correctly selected. The factory default sets the DGP to 16 detectors.



If planned to have 32 detectors on the DGP you first need to change the option in menu 6 from 16 to 32 before learning any sensor!

- Sensors are physically installed or mounted.
- The repeater has been installed and programmed if required.

The specific details per sensor need to be reviewed in the related component sheet. In general, you need to know that the sensor can be learned into the system by creating a tamper on the detectors and door window sensors and for key fobs that you need to press the matching two buttons at the same time during the auto learning when in the proper menu (see further on for details)

PROGRAMMING (REF. FIGURE 5)

Selecting the Remote Wireless DGP Menu (Panel menu)

The ATS1230 provides a menu through which a number of options can be set. This menu is an internal DGP menu and therefore it only is available in English (ref. to the menu tree figure 5). In addition the status of the ATS1230 itself or inputs can be viewed.

To enter the programming menu for the ATS1230:

1. Enter menu 28 of the Control Panel installer menu.
2. Press 1[ENTER] followed by the DGP address selected and [ENTER] to enter the DGP menu. The display now shows "ATS1230" followed by the version number.

3. Press [ENTER] to proceed to the menu or press the menu number followed by [ENTER] to go to a menu item directly.

Programming a Sensor with single or multiple zones

Some sensors can be connected to more than one zone. A Door Window Sensor (DWS) for example could be programmed for two zones. In the example below, the first zone for the door reed switch under the DWS sensor cover is programmed. Then the second zone, the DWS window tapes are programmed.

This procedure is slightly different to programming a single zone, even though the starting point in the RAS DGP menu is the same. The difference is that [# ENTER] is pressed when asterisks are displayed, instead of activating the sensor immediately. If the DGP zone database doesn't have enough spare zones (e.g. the database has one spare zone left, but two are required) the system will accept any zones it has room for, in this case, the first, and ignore the rest.

Zone and Output numbering

The input numbers used are related to the address selected. See Zone and output numbering on page 4.

To view the status, enter the first input to view. The selected input status is shown. Press [*MENU] to view the previous or [ENTER] to view the next input.

HOW TO CONFIGURE A WIRELESS SENSOR AND PROGRAM A ZONE

Enter the Installer Menu 19

1. MENU Key, Installer PIN, ENTER
2. 19 ENTER
3. * (Advanced Installer Menu)

Enter the Remote Device Menu

4. 28 ENTER

Select the Wireless DGP and its Menu

5. 1 ENTER (1-DGP, 2-RAS)
6. 1 ENTER (DGP No)
7. 12 ENTER (Set Factory Defaults if not empty!)
8. * ENTER (Confirm)
9. 1 ENTER
10. 17 ENTER
11. ENTER
12. 2 ENTER (2 zones for this sensor)
13. ENTER
14. Press Program Switch (tamper the sensor)
15. Keypad will beep 2 times to confirm that the zone has learned properly
16. If ready press 0 ENTER to leave the zone programming menu
17. 0 ENTER (exit the DGP menu)
18. Clear (exit menu 28)

Enter the Installer Menu 19 again

19. ENTER (Simple Menu)
20. 1 ENTER (Zone database)
21. 17 ENTER (Create Zone 17)
22. ENTER (Skip text)
23. ENTER (Confirm or change Zone type 2)
24. ENTER (Confirm or change reporting code)
25. 0 (Skip Audio listen in etc.)
26. ENTER (Confirm Area 1 or change area number)
27. ENTER (Confirm NO event flag)
28. 0 (Skip internal siren settings etc.)
29. Continue with next zone if required.

For more details on how to program / delete a sensor, refer to menu 28, 1 of the Wireless DGP (see below).

For more details on how to program a zone, refer to the ATS2000/3000/4000/4500 Programming manual.

MENU 1, PROGRAMMING OR DELETING A WIRELESS SENSOR ZONE

With a defaulted DGP, a zone can be programmed (learned) or deleted via menu 1.

Learning a zone:

- The zone number needs to be entered in the range of the DGP address
- If not occupied the display shows the zone number with 4 asterisks (****)
- When the zone number is confirmed by Enter, the display shows: "how many zones"



Wireless sensors can have from 1 up to 4 zone configurations depending on the differed type of device. A typical door / window sensor has the possibility to configure the reed contact and the separate input to 2 different zones. If programmed to 1 zone, the functionality of both contacts will be put in series.

Deleting a zone:

- The zone number needs to be entered in the range of the DGP address
- If the zone is occupied it shows the details of that zone i.e. 17 DWS (door window sensor)
- When the zone number is confirmed by Enter, the display shows: "Delete Device?"
- When confirmed with the menu key the device will be deleted completely.



When a device i.e. was programmed for 2 or more zones all zones will be released and will be free again to be programmed to one or several devices.

MENU 2, VIEWING A WIRELESS SENSOR'S ID NUMBER

Every wireless sensor has a unique factory programmed number, visible in the RAS. Use this menu to identify the sensor's ID number if required or to identify the type of sensor. Asterisks **** will appear instead of an ID number if the zone isn't programmed:

MENU 3, VIEWING THE ZONE SENSOR STATUS

You can check the status of a zone input sensor. Depending on the sensor type, there are six possible sensor-warning messages:

Warning	Description
Normal	Operating normally
Alarm	Zone in alarm
Tamper	Tamper
Supervsn	Supervision Fail
Batt	Low battery warning
Dirty	Smoke detectors only

MENU 4, PROGRAMMING / DELETING OR CHANGING DETAILS OF USERS / RELAY FOBS

Two and four-button fobs are programmed in a separate part of the DGP zone database. Fob button sets can be programmed in five combinations of relays and users.

A **user** represents a person or alarm group (with automatic access to arm and disarm allocated areas), and, is identified as a user number from 1 to 65,535.

Relays activate and de-activate devices (such as garage doors or lights) and can be a number from 1 to 255.

After entering menu 4, select 1 of the 16 key fob numbers to prepare the programming / learning mode.

Press both top fob buttons until the fob LED flashes to initiate the fob. After a confirmation of 2 beeps the display will ask if you want to program a user or a relay. Depending on the decision if the key fob buttons will be connected to a user or a relay fill in the relevant user number or relay number. If finished exit this menu by 0.

MENU 5, VIEWING FOB USER/RELAY NUMBERS

This function allows you to view the user and relay details for any fob.

MENU 6, CHANGING THE DATABASE SIZE

The Wireless DGP zone database can be set up as either a 16-zone or 32-zone database.

The factory default is 16 zones per Wireless DGP.

MENU 7, PROGRAMMING THE SUPERVISORY TIME

Introduction

A programmable supervisory signal checks the state of the devices in the field. Transmitters send one supervisory signal every 64 minutes and are related to the lifetime of the battery in the detectors.

Because of this interval of 64 minutes, the DGP supervision timer only can be set to a minimum of 2 hours. In this period at least one signal needs to be received by the DGP to clear the alarm-reporting timer. In normal circumstances every detection, tamper and low battery will immediately transmit a signal to the DGP and these signals also will be taken into account as a heartbeat or present signal of the detector and will reset the timer in the detector to the next 64 minutes.

Program the supervision time to control how often the Wireless DGP checks the sensor is communicating and in range of the Wireless transmitter. If a sensor fails to answer the Wireless DGP in the set time, an alarm event is created.

The supervision timers in the sensors is 'dithered' by a small time so that it will occur on a random basis with the effect of minimising collisions in larger installations.

- Two and four-button fobs don't transmit supervision signals
- Supervision time cannot be set for individual sensors, only individual Wireless DGP's.
- The maximum is 32 hours.
- The minimum is 2 hours.
- The factory **default** is 24 hours.



For technical reasons, the supervision time can be up to one hour more than the selected setting. In other words with the minimum supervision time set to 2 hours, in a worse case scenario, there will only be a reporting to the central station when a detector is missing after 3 hours!

MENU 8, PROGRAMMING THE SUPERVISION OPTIONS

The supervision function monitors sensors at the interval set up in the previous procedure.

Supervision can be switched on or off disabled by the first relay of the Wireless DGP (Relay 17 for DGP 1) to stop unwanted supervision fail messages.

- The factory default for supervision is *on*.
- Two and four-button **fobs** do not transmit a supervision signal: when fobs are programmed, they automatically set supervision to "off".

MENU 9, PROGRAMMING THE TAMPER SWITCH OPTIONS

The DGP has three tampers:

- The DGP **cover tamper** is always enabled.
- The **antenna** tamper is always enabled.
- The **back tamper** is a magnetically operated reed switch. The magnet is mounted separately under the Wireless DGP's DIPswitches.

This back tamper or wall tamper is disabled by default and can be enabled by this menu

Note: Both cover tampers and the antenna must be installed to clear the DGP tamper.


MENU 10, TESTING THE WIRELESS SIGNAL STRENGTH

To ensure the sensor is installed within an effective range of the ATS1230 or repeater, the installer can check the signal strength of a wireless sensor's last event transmission on the RAS screen. If a sensor is communicating effectively, it will display a value of 15 dB or more.

Key in the number of the zone and press **[ENTER]** to view the signal strength. If the zone isn't programmed or if the Wireless

DGP has just been powered up, a signal will not be received and the RAS will display 0 dB:
 When a successful signal is received the RAS screen will display the signal strength in dB and sound two beeps.
 For reliable transmission, the sensor's signal strength must be **15 dB or more**.
 The dB range for the Wireless DGP is 0 to 100.

MENU 11, DGP MODE (EXTENDED MODE OR STANDARD MODE)

 The ATS control panel system is communicating in Extended mode. **Do not Change!**

MENU 12, RESETTING THE WIRELESS DGP TO FACTORY DEFAULTS

This option allows you to reset the Wireless DGP to its factory default settings (extended mode, 16 zones). Resetting clears the entire Wireless DGP database.
 See the table below for default details.

MENU OPTION / DESCRIPTION AND DEFAULT SETTINGS

Menu option No and descr.	Factory default setting
Menu 1, DGP Zones	All Zones Clear
Menu 1, Zone number	Zone 1 for the DGP
Menu 4, Fobs	All Fobs Clear
Menu 6, Database size	16 Zones
Menu 7, Supervision Time	24 hours
Menu 8, Supervision Options	All Zones set to Supervision On
Menu 9, Back Tamper	Off
Menu 11, DGP Mode	Extended Mode

MENU 13, CHECKING THE RF NOISE LEVEL

Introduction

Electromagnetic noise or Radio Frequency (RF) noise level is a major consideration when finding the best location for a wireless receiver. To assist with this process, the Wireless DGP can indicate on the RAS display the noise received. Remember: RF noise may be transmitted intermittently from passing cars with noisy ignitions, electric machinery under load or even household appliances.

The **optimum** location for the receiver is where the displayed noise value is minimal. In a good environment, expect values in the range of around 10dB to 20dB. In a bad environment, expect values greater than 30dB.

TIP: Reception depends on a number of factors, and these are infinite. To illustrate, reliable reception is much more likely in example 1 than in example 2 below:

Example 1: You may have a high noise level, but due to the Wireless Sensor being in close proximity, the signal strength may be adequate for reliable operation.

Example 2: You may have a low noise level and weak signal from a distant wireless sensor.

TECHNICAL SPECIFICATIONS

Compatibility	ATS control panels: ATS4xxx, ATS30xx, ATS20xx Version 04.05.10 or later.
Wireless Zones	GE Interlogix 433 MHz (crystal and SAW) Learn Mode wireless sensors
Power required	16 or 32 per Wireless DGP (Programmable) 12V DC nominal (13.8V Max) 30 mA maximum
Maximum recommended BUS distance	335 meters/1100 feet 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	460 meters nominal (1500 feet) 610 meters typical open air (2000 feet) May vary with application
Dimensions:	10.4 cm x 13.2 cm x 2.7 cm (L x W x H), excluding antenna

Use this menu to display the current noise level via the RAS.

TESTING

- Test the receiver module at the desired location to evaluate performance in the particular environment.
- Verify that the receiver module LED flashes when wireless devices are activated.
- Perform the tests according to menus 10 and 13.
- For complete testing procedures, refer to the ATS2000/3000/4000/4500 Quick programming and Installation guide and the comprehensive Installation Guide & Programming Guide of the ATS1230.

INSTALLATION TROUBLE SHOOTING

Problem	Action/Solution
The Wireless DGP module status LED stays off when power is applied.	<ul style="list-style-type: none"> • Check for incorrect wiring connections. • Make sure the ATS control Panel is powered correctly. • Measure Wireless DGP DC power with a multimeter. (Should be 13.8V DC). • If the LED still remains off, replace the Wireless DGP module.
The Wireless DGP module status LED stays lit but doesn't flash when wireless devices are activated.	<ul style="list-style-type: none"> • Check Wireless DGP antenna connections • Check for Wireless DGP antenna proximity to metal obstructions such as ducting or AC wiring. • Make sure the sensor transmitters are the correct frequency, that is, 433MHz • If LED still doesn't flash, replace the DGP.
The Wireless DGP status LED stays lit and flashes when wireless devices are activated, but ATS control doesn't respond	<ul style="list-style-type: none"> • Check that DIPswitch address 0 is not selected on the DGP. • Check Wireless DGP databus connections. • Check that each Wireless DGP connected to the databus has a unique address. • Check that the Wireless DGP is being polled by (ATS control Menu 19 > 4.) • Check that the Transmitter sensor is programmed into the Wireless DGP See Programming Guide • If the ATS control system still doesn't respond, try replacing the Wireless DGP module.

DISCLAIMER

Disclaimer details The customer is responsible for testing and determining the suitability of this product for specific applications.

In no event GE Interlogix BV is responsible or liable for any damages incurred by the buyer or any third party arising from its use, or their inability to use the product.

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F**ATS1230 DGP sans fil****INTRODUCTION**

Le récepteur DGP sans fil ATS1230 étend les capacités d'entrées de la centrale ATS control jusqu'à 32 zones, au moyen des détecteurs transmetteurs sans fil Learn Mode™ 433 MHz GE Interlogix™ (cristal ou SAW).

L'ATS1230 peut être placé jusqu'à 335 mètres de distance de la centrale ATS control, via un câble WCAT52/54. L'appareil peut recevoir des informations provenant de différents types de détecteurs, programmés dans le DGP.

L'ATS1230 exploite la diversité spatiale pour réduire au minimum les "points morts" ou les absences de signal, et sa portée de réception nominale en plein air est de 460 m. Pour éliminer les points morts, utiliser un répéteur 433 MHz. Il est possible d'alimenter ce dernier par l'alimentation du BUS ATS control ou une alimentation auxiliaire.

Des télécommandes peuvent être programmées pour que des utilisateurs puissent armer/désarmer le système ou contrôler des relais, par exemple, pour ouvrir et fermer une porte de garage à distance, ou armer et désarmer un système de sécurité de bureau.

Les composants de base sont illustrés dans la figure ❶.

DESCRIPTION DE L'ATS1230 (VOIR FIG ❸)

1	Circuit imprimé
2	Bornier de raccordement de l'antenne
3	Antenne
4	Numéro de série de l'appareil
5	LED d'état
6	Couvercle autoprotégé
7	Bornier de raccordement
8	Trous de montage

COMPOSANTS DE BASE DU SYSTEME (VOIR FIG. ❶)

La centrale ATS control recueille les données provenant du DGP sans fil par le bus de données. Elle fournit l'alimentation électrique au DGP ou, un DGP distant alimenté en 220 V peut fournir une alimentation à l'ATS1230.

L'ATS1230 reçoit le signal radio provenant de dispositifs sans fil, c-à-d, IRP, télécommande ou détecteur de fumée.

Un signal de supervision programmable vérifie l'état des dispositifs sur le terrain.

EMPLACEMENT DE MONTAGE

L'ATS1230 peut se monter sur tout mur intérieur. Laisser un espace de 16 cm pour l'antenne au-dessus du coffret en plastique du DGP sans fil.

IMPORTANT :

Eviter les endroits susceptibles d'exposer le DGP à de l'humidité.

Eviter le métal ou le câblage électrique excessifs, par exemple, fours et salles de lavage.

Si le DGP sans fil est monté à proximité de métal, placer l'antenne aussi loin que possible du module.

Couper l'alimentation de la centrale ATS control avant de commencer l'installation.

INSTALLATION DE L'UNITE**Installation de l'ATS1230 DGP (voir fig. ❷)**

- 3) Couper l'alimentation de la centrale ATS control.
- 4) Retirer le couvercle en plastique de l'ATS1230.
- 5) Tenir la base de l'ATS1230 contre la surface de montage et marquer les trois trous de montage. (Laisser 18 cm d'espace libre au-dessus de l'antenne)
- 6) Percer les trous et insérer des vis d'ancrage, si nécessaire.
- 7) Fixer l'unité à la surface de montage avec les vis fournies. Si du métal est à proximité, éloigner l'antenne le plus possible de l'appareil.
- 8) Si une autoprotection à l'arrachement est requise, installer l'aimant (fourni) à proximité du contact reed, juste en dessous des DIPswitchs d'adressage, dans la partie vide de la plaque de montage (diagramme PCB). (Il est possible de couper la petite saillie tubulaire en plastique dans la fente d'entrée du câble). **CONSEIL :** Penser à activer l'autoprotection à l'arrachement dans le menu de l'ATS1230, option 9 - Options d'autoprotection

RACCORDEMENT DE L'ATS1230 (VOIR FIG. ❸)

- 1) Connecter les quatre fils de câbles BUS au bornier du DGP.
 - +12 V
 - A = D+
 - B = D-
 - 0 V
- 2) Connecter le câble BUS directement à la centrale ATS control et à l'alimentation auxiliaire, ou utiliser un câble d'alimentation séparé branché au DGP sous 220V le plus proche. (Dans ce cas, 0V doit être connecté à la centrale ainsi qu'au DGP).

SPECIFICATIONS DE CABLAGE

AWG / Diamètre du fil (Non-blindé ou Blindé)			Longueur maximale du câble entre le module et la centrale	
AWG	Diamètre	Area	Pieds	Mètres
24	0.52 mm	0,22 mm ²	1100	335

RACCORDEMENT DE L'ANTENNE AU MODULE

Desserrer les bornes intérieures des borniers gauche et droit de l'antenne.

Insérer l'antenne dans les bornes les plus en retrait du bornier de l'antenne, au-dessus de la carte à circuits imprimés, et serrer les vis (introduire l'antenne d'abord par les trous de la partie supérieure du coffret lorsque le module est monté à l'intérieur du coffret de la centrale). L'autoprotection de l'ATS1230 ne se réinitialise que si l'antenne est correctement installée.

ADRESSAGE DU DGP SANS FIL ATS1230 (VOIR FIG. ❹)

Régler les DIPswitchs d'adressage de l'ATS1230. Chaque DGP sans fil relié au BUS ATS control **doit** s'identifier à la centrale ATS control avec sa propre adresse, réglée au moyen

des DIPswitchs du DGP. Le diagramme indique les réglages de DIPswitchs pour **15 adresses possibles de DGP sans fil**.



L'adresse 0 est un réglage de test en usine – ne pas l'utiliser.

FERMETURE DU BOITIER DU DGP SANS FIL ATS1230

- 1) Remettre le couvercle en plastique. S'assurer que le ressort d'autoprotection à l'ouverture est en place sur le commutateur d'autoprotection.
- 2) Monter les détecteurs et le répéteur 433 MHz (un répéteur peut être ajouté ultérieurement si les performances des détecteurs ou l'intensité du signal sont jugées insuffisantes).

MISE SOUS TENSION DU DGP SANS FIL ATS1230

Avant la mise sous tension de la centrale et du module récepteur :

- 1) Vérifier tout le câblage de la centrale et du DGP sans fil ATS1230.
- 2) Brancher la batterie de secours de la centrale et le courant secteur. Vérifier que le voyant LED d'état du module récepteur est allumé.

PROGRAMMATION

Se référer au guide d'installation de la centrale pour plus de détails.

TEST

Tester le module récepteur à l'emplacement souhaité, afin d'évaluer ses performances dans l'environnement spécifique. Vérifier que le voyant LED du module récepteur clignote lorsque des dispositifs sans fil sont activés. Les procédures de test complètes sont présentées dans le guide d'installation de la centrale.

CARACTÉRISTIQUES TECHNIQUES

Compatibilité	Centrales ATS control : ATS4xxx, ATS30xx, ATS20xx Version 04.05.10 ou supérieure. Détecteurs sans fil Learn Mode 433 MHz GE Interlogix (cristal et SAW)
Zones sans fil	16 ou 32 par DGP sans fil (programmable)
Alimentation requise	12V cc nominal (13,8V Max) 30 mA maximum
Distance BUS maximale recommandée	335 mètres avec câble données torsadé 2 paires blindé WCAT52/54.
Température d'entreposage	-33° à 60°C
Température d'utilisation	0° à 60°C
Humidité maximale	90%, d'humidité relative sans condensation
Portée du signal sans fil	460 mètres nominal 610 mètres typique, en plein air Peut varier selon l'application
Dimensions :	10,4 cm x 13,2 cm x 2,7 cm (Long. x Larg. x Haut.), hors antenne Avec antenne : 19,2 cm

RESPONSABILITES LEGALES

Détail des responsabilités

Il appartient au client de tester et déterminer la pertinence de ce produit pour des applications spécifiques.

GE Interlogix BV n'est en aucun cas responsable des dommages encourus par l'acheteur, ou par un tiers, résultant de l'utilisation du produit, ou de l'incapacité de ces personnes à utiliser le produit.

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