

# ATS1230

## 16-32 zones 433Mhz wireless receiver DGP, plastic housing

### 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.

### 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.

### Product Overview

The ATS1230 Wireless Data Gathering Panel (DGP) is a receiver on 433MHz for expanding the Advisor MASTER local bus with wireless devices.

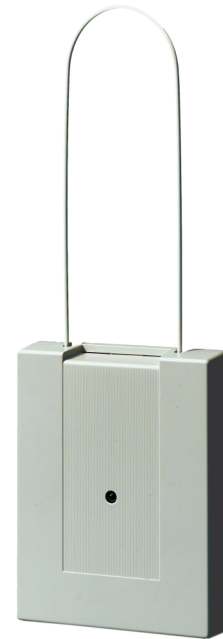
It receives information from a range of Interlogix compatible 433MHz sensor types programmed into the DGP. The ATS1230 features spatial diversity to minimize wireless signal nulls or dead spots and has a nominal open-air receiving range of 460m. If dead spots need to be eliminated, a 433MHz repeater may be used. It may be powered from the Advisor Master BUS power or a remote auxiliary power supply.

### Functionality

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

The ATS1230 may be located up to 335 meters (1100 feet) from the Advisor MASTER panel using 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.



### Details

- Expands the Advisor Master panel's input capability by up to 32 zones
- Using the Interlogix "Learn Mode" 433MHz Wireless Transmitter Sensors (crystal or SAW)
- May be located up to 335 meters (1100 feet) 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 an Interlogix Interlogix 433MHz 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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### Technical specifications

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#### General

Expander type	Wireless expander
Product line	Advisor Advanced, ATS Master
Connection type	Databus connection
Compatibility	Advisor Master panels: Version 04.03.04 or later. Interlogix 433 MHz (crystal and SAW). Learn Mode wireless sensors
Max. distance from panel	300 m

#### Inputs

Total	32
No. of wireless zones	16 or 32 zones per wireless DGP (programmable) + 16 keyfobs

#### Wireless

Operating frequency	433 MHz
Wireless open-air range	400 m

#### Electrical

Operating voltage	12 V nom. (13.8 V Max.)
Power supply type	VDC
Current consumption	30 mA max.
Integrated power supply	No

#### Physical

Physical dimensions	192 x 132 x 27 mm
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#### Environmental

Operating temperature	0 to 60 °C 0° to 140 °F
Storage temperature	-33 to 60 °C -30° to 140 °F
Relative humidity	90% non-condensing

#### Maximum recommended BUS distance

335 meters/1100 feet using WCAT52/54, 2-pair twisted, shielded data cable.
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#### 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
19.2 cm x 13.2 cm x 2.7 cm (L x W x H), with antenna

