ATS1220

4 zones DGP input expander, small 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

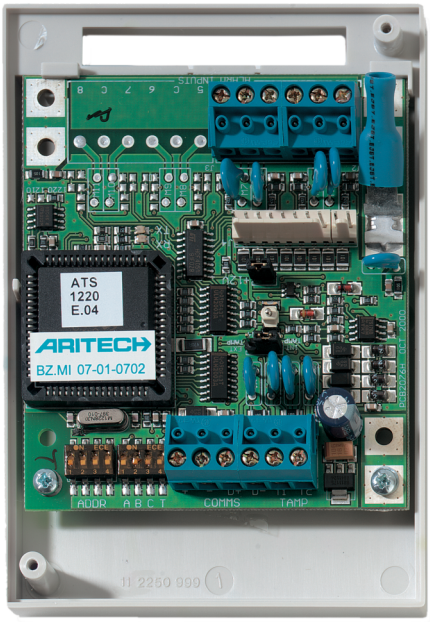
The system databus is used to connect Data Gathering Panels (to provide extra zones) and Arming Stations to the ATS control panel. Remote devices can be up to 1.5 km from an ATS control panels. Arming stations and Data Gathering Panels must be connected via a 2 pair twisted shielded data cable from the 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.

Functionality

Should a failure in communications occur, the Data Gathering Panel remembers the last alarm in a system, helping to identify possible reasons for faults.
Up to 15 DGP's can be connected directly to the Advisor Master panel. For every DGP expanded to more than 16 inputs, the total number of Data Gathering Panels in a system reduces by one. If a system has all its Data Gathering Panels fully expanded to 32 inputs, the physical number of Data Gathering Panels in a system becomes 8.

Product Overview

4-zone DGP with Output Connector (ATS1644 plastic housing included). Depending on the basic capacity of the control panel up to 15 input expanders can be used at a maximum distance of 1,5km from the control panel.



Details

- 4 inputs on board
- 8 OC outputs on board
- Compatible with Axon and Advisor Advanced panels
- Plastic enclosure with opening tamper sensors
- Data bus monitoring

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Technical specifications

General

Expander type	Eingabe Expander
Product line	Advisor Advanced, ATS Master
Connection type	Databus connection
Compatibility	Advisor Advanced, Advisor Master
Max. distance from panel	1.5 km
Max. per panel	15 / 30 (depending on panel type)
Specified cable	WCAT52 / WCAT54 or equivalent

System

Addressing	Dip-Schalter
End-of-line resistor	Selectable

Inputs

Total	4
Onboard	4

Outputs

Onboard	8
Type of outputs	Open Collector
Maximum number of outputs	16

Electrical

Operating voltage	10.5 to 13.8 VDC
Current consumption	53 mA
Integrated power supply	No

Physical

Physical dimensions	124 x 87 x 34 mm (W x H x D) 90 x 80 mm (PCB dimensions)

Environmental

Operating temperature	-10 to +50°C
Relative humidity	95% noncondensing
Environment	EN50130-5 ; Klasse II - Indoor (allgemein)
IP rating	IP30

Regulatory

Compliancy	CE
Certification	CE

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Last updated on 18 June 2026 - 14:24