

ATS1203E

8-32 zones DGP input expander, 3A power supply, medium metal housing, EN Grade 3 Class II

Product Overview

The ATS1201/ATS1203/ATS1204 DGPs offer 8 standard inputs, 8 Open Collectors (OC) outputs and a siren driver. The DGP can be expanded to a total of 32 inputs and 32 outputs. It has a built-in 3 A switched mode power supply.

Data Gathering Panels

Data Gathering Panels (DGPs) are used to expand the number of alarm inputs in an ATS MASTER (ATS Classic) system. DGPs allow inputs and outputs/ relays to be connected at a location remote from an ATS Classic panel. DGPs communicate via poll & reply messages. Detectors, door contacts and other detection devices are connected to DGPs that report any change of state to the control panel for processing. Available DGPs include support for conventional devices, wireless devices as well as intelligent addressable devices. A special DGP available supports expansion of four intelligent doors or lifts.

System databus connection

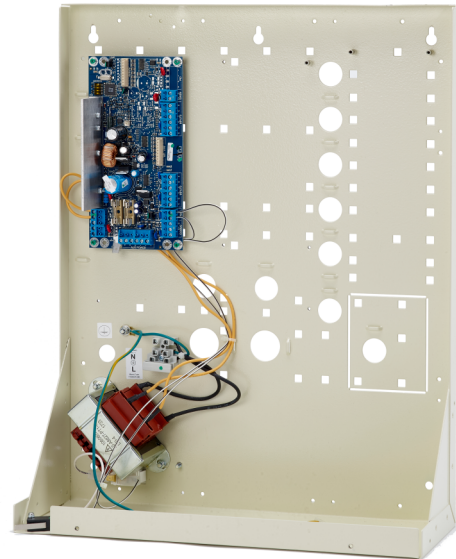
The system databus is used to connect Data Gathering Panels as well as keypads and readers (RASs) to the ATS classic control panel. Remote devices can be up to 1.5 km from an ATS control panels when using the preferred wiring and cable types. Arming stations and Data Gathering Panels have to be connected via a 2 pair twisted and shielded data cable to the system databus connection to achieve this. (WCAT 52 is recommended). Daisy chain is the preferred wiring method. 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

DGPs provide information from remote locations to ATS Classic control panels in structured records. Data collected ranges from a wired input state to wireless or addressable device dates to a door state.

Bus devices communicate with the control panel. If a failure in communication occurs, the Data Gathering Panel remembers the last alarm in a system preventing loss of an alarm due to a short interruption in data communication.

Up to 15 DGP's can be connected directly to an ATS Classic panel. If a DGP is expanded to more than 16 inputs, the DGP uses 2 DGP addresses and reduces the maximum number of DGP's 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.



Details

- 8 inputs on board
- Expandable to 32 inputs
- 8 Open Collector outputs on board
- Expandable to 32 OC outputs/relays with optional cards
- 1 siren output
- Switched mode power supply

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Technical specifications

General

Expander type	Input expander
Product line	Advisor Advanced, ATS Master
Connection type	Databus connection
Max. distance from panel	1.5 km
Max. per panel	15 / 30 (depending on panel type)
Specified cable	WCAT 52/54

System

Addressing	DIP Switches
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Inputs

Total	32
Onboard	8
Expandable	24 (3x ATS1202)

Outputs

Total	32
Onboard	8
Expandable	24
Type of outputs	Open Collector
Relays	Via ATS1810 / ATS1811
Maximum number of outputs	32
Siren outputs	1

Backup

Dynamic battery testing	Yes
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Electrical

Operating voltage	13.8 VDC
Power supply type	220/230 VAC
Power supply value	230VAC, 50 Hz, 56 VA
Current consumption	2.9 A max. at 13.8 VDC 75 mA nominal
Integrated power supply	Yes

Physical

Physical dimensions	475 x 370 x 160 mm
Net weight	9.7 kg

Environmental

Operating temperature	-10 to +55°C
Relative humidity	95% noncondensing
Environment	EN50130-5 ; Class II - Indoor (general)
IP rating	IP 30

Regulatory

Certification	EN50131 Grade 3
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