

ATS1201

8-32 zones DGP input expander, 2A power supply

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.

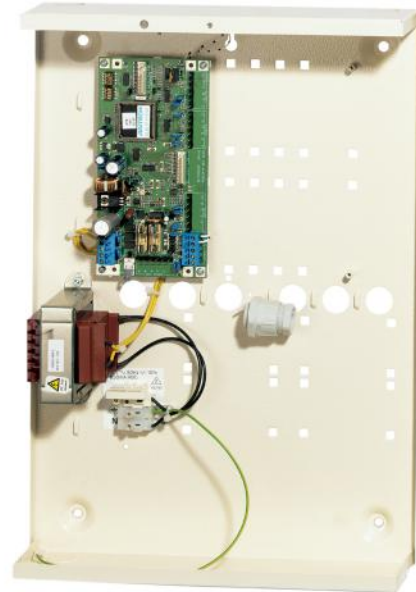
Functionality

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

The ATS1201 DGP has 8 inputs, 8 Open Collectors (OC) outputs and a siren driver. This DGP is expandable to a total of 32 inputs and 16 outputs and has its own 2 A switched mode power supply. The product includes the ATS1641 housing.



Details

- 8 inputs on board
- Expandable to 32 inputs
- 8 OC outputs on board
- Expandable to 16 OC outputs or 16 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
Specified cable	WCAT 52/54

Inputs

8 - 32

Outputs

Onboard 8

System

Addressing DIP Switches

Backup

Dynamic battery testing Yes

Electrical

Operating voltage 13.8 V

Power supply type VDC

Power consumption 2 A

Current consumption 225 mA

Integrated power supply Yes

Physical

Physical dimensions 175 x 90 mm

Environmental

Operating temperature 0 to 50° C

Power supply

13.8 VDC / 2 A

Current consumption

225 mA

Siren output

1

OC outputs on board

8

Max. number of outputs

16

Dynamic battery testing

Yes

Max. distance from panel

1.5 km

Max. number per panel

15

Specified cable

WCAT 52/54 or equivalent

Data bus monitoring

Yes

Addressing

Individually, by DIP switches

PCB dimensions (W x H)

175 x 90 mm

Operating temperature

0° to +50°C

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