ATS1201E

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.

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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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.

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Technical Specifications

General

Expander type	Input expander
Product Line	Advisor Advanced, ATS Master
Connection type	Databus connection

Inputs

Onboard	8
Expandable	24 (3x ATS1202)
Total	32

Outputs

Siren outputs	1
Type of outputs	Open Collector
Maximum number of outputs	32
Total	32
On Board	8 Open Collector, 1 Siren
Expandable	24 (ATS1810 / ATS1811)
Total	32

Electrical

Integrated power supply	Yes
Power supply type	VDC
Power consumption	2.9 A
Current consumption	75 mA
Operating voltage	13.8 V

Physical

Physical dimensions	315 x 388 x 85 mm
Net weight	5.4 kg

Environmental

Operating temperature	-10 to 55°C
Relative humidity	95% non-condensing
IP-rating	IP 30
Class	Class II, Indoor
Operating temperature	-10 to +55°C
Humidity	95% non-condensing
IP rating	IP 30

Zones

On board	8
Expandable	24 (ATS1202)
Total	32

Power Supply

Mains power	230VAC, 50 Hz, 56 VA
Power supply voltage	13.8 VDC
Power supply current	2.9 A (max)
Current consumption	75 mA

Dimension & weight

PCB	90 x 175 mm
ATS1201E	315 x 388 x 85 mm, 5.4 kg
ATS1203E	475 x 370 x 160 mm, 9.7 kg
ATS1204E	475 x 460 x 160 mm, 10.9 kg

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