ATS1226

Intelligent door DGP

Advanced Door DGP Master & Advanced Control Panel Series

The ATS 1226 Advanced door module in new ATS1647 plastic enclosure, is the latest release to complete the DGP family for ATS panels. The module connects all the components found at a door. It has eight freely programmable outputs (two are relays), terminals for the RS-485-Bus IN and OUT to connect to the control panel, as well as an isolated terminal used for the reader. The ATS1226 also has four zone inputs and reduces the amount of products and installlation time when a door is integrated in the Advisor system (VDS approved).

Data Gathering Panels (general information)

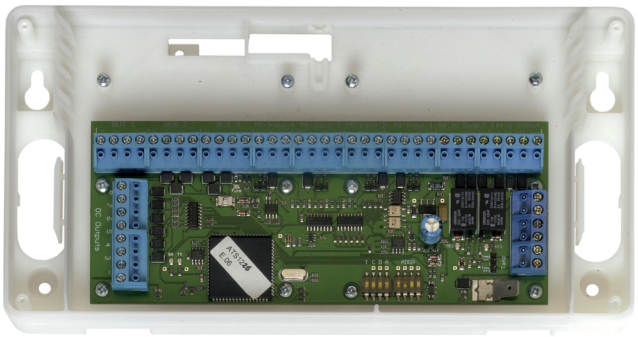
Data Gathering Panels (DGP) are used to expand the number of alarm inputs on the system and allow inputs and relays to be connected at a location remote from the Advisor panel. DGPs communicate via poll & reply messages and send alarms to the control panel for processing. The DGPs collect information from detectors, door contacts and other similar devices. There are DGPs available for conventional devices, wireless devices as well as for intelligent addressable devices. Special DGP's are available for collecting the information for either doors or lifts Controllers. One special DGP available provides for easy wiring and connecting of all devices related to doors (inputs, relays, readers) for use with ATS control panels.

System databus connection (general information)

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

The Advanced Door DGP not only offers directly available inputs and outputs for wiring door locks, door contacts, etc. but also provides for an isolated RS485 bus intended to connect readers located outside protected areas.
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 (or 30) can be connected directly to the Advisor panel.



Details

- 4 inputs on board
- 2 Relay outputs
- 6 OC outputs on board
- 1 Standard, 1 Isolated RS485 Reader Output
- Plastic enclosure with tamper
- Data bus monitoring
- Individual addressing, by DIP switches

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Technical specifications

General

Expander type	Indgangsudvidelse, Udgangsudvidelse
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	Interruptores DIP
End-of-line resistor	Selectable

Inputs

Total	4
Onboard	4

Outputs

Onboard	8
Type of outputs	Relay / Open collector
Relays	2

Electrical

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

Physical

Physical dimensions	120 x 240 x 40 mm (W x H x D)
Material	ABS
Housing	Medium plastic

Environmental

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

Regulatory

Compliancy	CE
Certification	VdS

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