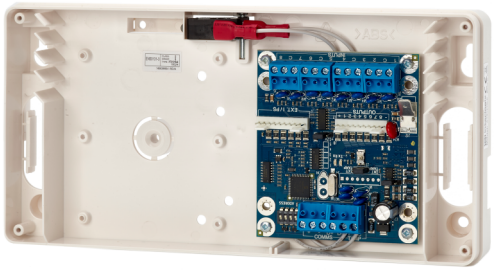
ATS1210LE

8 to 16 zone DGP input expander, large plastic housing, EN50131 Grade 3 Class II

Product overview

The ATS1210LE expander offers 8 standard inputs and 8 Open Collector (OC) outputs expandable to 16 inputs or 16 outputs and is provided in the ATS1647 medium plastic housing. The expanders allow to increase the inputs and outputs of an Axon or an Advisor Advanced control panel or CDC4 series door/lift controller.



Expanders

Expanders are used to expand the number of alarm inputs in an Axon panel or an Advisor Advanced system. Expanders allow inputs and outputs/relays to be connected at a location remote from an Axon or an Advisor Advanced panel. Expanders communicate via poll & reply messages. Detectors, door contacts and other detection devices are connected to expanders that report any change of state to the control panel for processing. Available expanders include support for conventional devices, wireless devices as well as intelligent addressable devices. A special expander is available, providing expansion of four to eight intelligent doors or lifts.

System databus connection

The system databus is used to connect expanders as well as keypads and readers (RASs) to Axon or the Advisor Advanced control panel. Remote devices can be up to 1.5 km from a control panels when using the preferred wiring and cable types. Keypads, readers and expanders have to be connected via a 2 pair twisted and shielded data cable to the system databus connection to achieve this. (WCAT52 is recommended). Daisy chain is the preferred wiring method. The shield of the data cable should be connected to earth at the control panel and should be left disconnected at any other end.

Functionality

Expanders provide information from remote locations to the 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 expander remembers the last alarm in a system, preventing loss of an alarm due to a short interruption in data communication.
Up to 30 expanders can be connected to the system, depending on the variant.

Details

- 8 inputs on board
- Expandable to 16 inputs
- 8 OC outputs on board
- Compatible with Axon and Advisor Advanced panels
- ATS1647 plastic enclosure with tamper protection
- EN50131 Grade 3
- PD6662:2010

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Technical specifications

General

Expander type	Input expander
Product line	Advisor Advanced, ATS Master, Axon
Connection type	Databus connection
Compatibility	Advisor Advanced, Advisor Master and Axon
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 Switches
End-of-line resistor	Selectable

Inputs

Total	16
Onboard	8
Expandable	8 (1x ATS1202)

Outputs

Total	16
Onboard	8
Expandable	8
Type of outputs	Open Collector
Relays	Via ATS1810 / ATS1811
Maximum number of outputs	16

Electrical

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

Physical

Physical dimensions	120 x 240 x 40 mm
Net weight	390 gr
Material	ABS
Housing	Medium Plastic

Environmental

Operating temperature	-10 to +55°C
Relative humidity	95% noncondensing
Environment	EN50130-5 ; Class II - Indoor (general)
IP rating	IP30

Regulatory

Compliancy	CE
Certification	EN50131 Grade 3, VdS

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