# ATS1204E

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

## Product overview

The ATS1201E and ATS1204E expanders offer 8 standard inputs, 8 Open Collectors (OC) outputs and a siren driver. The expander can be extended to a total of 32 inputs and 32 outputs. It has a built-in 3 A switched mode power supply.

## Expanders

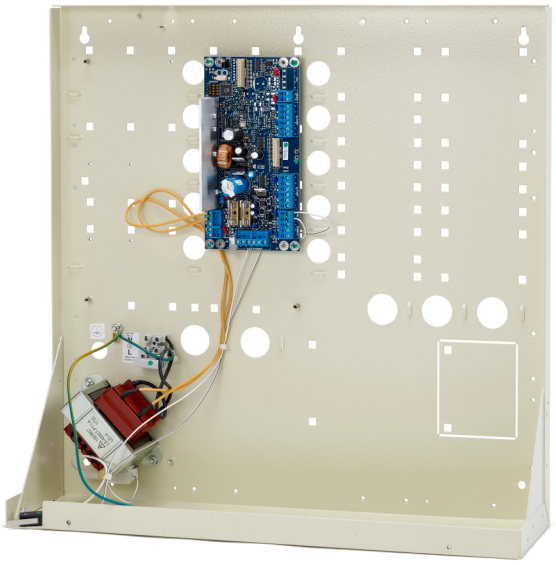
Expanders are used to expand the number of alarm inputs in an Advisor Advanced system. Expanders allow inputs and outputs/relays to be connected at a location remote from an Advisor Advanced panel. Expanders communicate via poll & reply messages. Detectors, door contacts and other detection devices are 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 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 Advisor Advanced 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 15 or 30 expanders can be connected to an Advisor Advanced depending on the variant.



## 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

# ATS1204E

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

## Technical specifications

### General

| | |
|---|---|
| Expander type | Input expander |
| 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 | DIP Switches |
| End-of-line resistor | Selectable |

### 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

| | |
|---|---|
| Battery type | Up to 25 Ah |
| Dynamic battery testing | Yes |

### Electrical

| | |
|---|---|
| Power supply type | 230 VAC |
| Power supply value | 230 VAC +10 %, -15 %, 50/60 Hz |
| Power consumption | 2.9 A max. at 13.8 VDC |
| Current consumption | 75 mA typical |
| Integrated power supply | Yes |

### Physical

| | |
|---|---|
| Physical dimensions | 475 x 460 x 160 mm |
| Net weight | 9.7 kg |
| Material | Steel (painted) |
| Housing | Large Metal |

### 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 | CE |

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