AEOS Intrusion Extension Panel

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Specification Sheet

The Intrusion Extension Panel can be connected to the Intrusion Base Panel. The panel includes a power supply and the AP3006 module to connect up to 16 supervised sensors and contacts to the system.

- Certified in accordance with EN50131 certified components
- Extension unit for Intrusion base panel
- I/O unit with 16 inputs and 10 outputs
- Freely configurable EOL (end of line) resistors
- Interface for intrusion keypad with LCD screen
- 230VAC power supply
- Suitable for 2 x 17Ah, 12V batteries (not included)

Product specifications

- Complies with EN50131 certified components grade 3 standard
- AEbus isolated
- 16 x supervised inputs (EOL values selectable)
- 2 relays, 8 open collectors
- Interfaces 1 x RS485 (Nedap readers Convexs, Invexs LCD keypad)
- Power input 230 VAC
- Battery control (capacity max. 17 Ah @ 24 V) - batteries not included

Scalable

Because AEOS intrusion detection is scalable, you can always expand the system if the need arises. It's modular, so the initial investment is lower. And because the security controller links intrusion detection and access control, you have total control, and you always know exactly what's happening, real-time.

Fewer unnecessary alarms

The security controller combines intrusion detection with access control, reducing unnecessary alarm notifications. When an alarm zone is armed, doors remain locked even if a valid access card is presented. Access is granted only when the alarm zone has been disarmed. Doors also remain locked while the alarm is being armed. This prevents unnecessary alarms triggered when people accidentally open a door.

Specification Intrusion Extension Panel (article no. 9962999)

Dimensions	470 x 460 x 110 mm
Weight	± 9500 gr
AEbus	AEbus communication and Power 230 VAC + 10% - 15% 47 - 63 Hz 1,2 A @ 230 VAC Isolated (+ non isolated only for internal use)
Isolated Bitrate (+ non isolated only for internal use)	high/low
Bitrate	high/low
Battery back-up	• Controlled and checked by AP3006, indicators for 'Battery Low' and 'Battery Powered' • Loading batteries by external power supply Isolated + Non Isolated
Environment	Temperature: Operating 0 - 55 °C · Storage -30 - 65 °C Relative humidity: 10 - 93% non-considering
Power output	Sensors: 4 x 12 VDC ± 10% max 200mA (each output) Reader: 12 VDC ± 10% max 200mA (each output)
Inputs	• 16: intended for dry contact or open collector (using open collector is not advised when using multi states on one input) optional supervised (by software, EOL value selectable, or 2 x 4k7 as default) • Tamper: intended for dry contact • AC_OK and BAT_LOW: dry contact or open collector

Outputs	• 2 dry contact (normally open, common, normally closed
	• Contact ratings (suitable for switching indictive loads, clean, relay contacts)
	  • Switching voltage: 24 VAC, 30 VDC (max 60 W)
	  • Continuous current: 2A (AC and DC)
	  • Contact lifetime: min 100.000 times at given ratings
	• 8 open collector outputs (open drain mosfets with internal power protection), mac 1000 mA
	
	'depending on connected device'

Indications	Status indications for sensor input (red), sensor power (green), outputs (green) battery status, ID and reader status (green)
Communication	2* RS485 (+12V, A, B, GND) for Nedap reader connections
Lead battery backup	Only checking, loading regulated by dedicated power supply

Cable specifications

Communication	• AEbus: only isolated (including power): 3 x 2 x 0,5 mm² shielded, max cable lenght 1000 meter • Only isolated (CL, CH, CGND): 2 x 2 x 0,5 mm² shielded, max cable lenght 1000 meter • Isolated+Non Isolated: 5 x 0,5 mm² shielded, max cable lenght 5 meter • Isolated+Non Isolated + AX2002: 2 x 2 x 0,5 mm² shielded, max cable lenght 300 meter Cable shield to metal case, recommended cable impedance: 120 Ohm • RS485: 2 x 2 x 0,25 mm² shielded, max cable lenght: 1000 meter
Inputs	X x 0,25 mm², max cable lenght: 100 meter, cable capacity <= 100pF/meter (depending on connected sensor)
Outputs	2 x 0,25 mm² shielded, max cable lenght: 1000 meter
More information	Contact your local Nedap supplier or check our website www.nedapsecurity.com