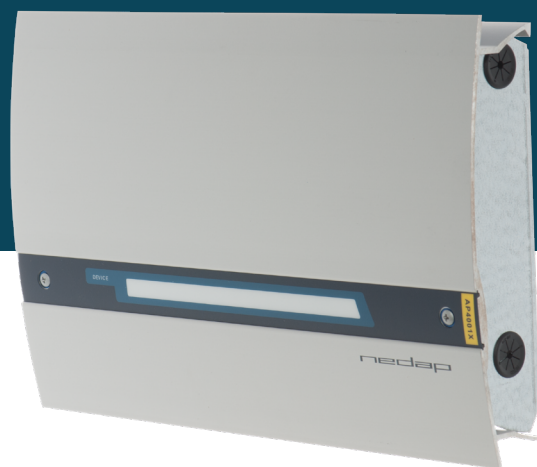# AP4001X 4-in-1 Proximity Reader

The AP4001X offers security for 4 or more doors. In combination with the AP4801 unit and controller, it can be used to provide security up to 32 doors. The AP4001X provides a perfect, cost-effective solution for situations in which several doors in an area or building have to be secured using a specific reader technology.

- Connect up to 4 antennas
- Separate badge reader and antenna for maximum security
- Monitored inputs
- Protected against short circuits and sabotage
- 8 freely programmable digital inputs
- 4 configurable relay outputs

Flexible security for multiple doors

Up to 4 antennas can be connected to the AEpu. Security at additional doors can be conveniently provided by combining the AP4001X with the AP4801X or AP8001X modules. The functionality of the AP4001X is defined by its software components. This means that the system can be configured to meet your needs quickly, conveniently and without problems – now and in the future. For example, additional functionality such as In/Out registration can be added optionally.

Advanced security technology

The AP4001X is equipped with eight freely programmable digital input ports for the connection of sensors and contacts, such as a door contact or for manual opening. In addition, there are four freely configurable relay outlets for door lock operation or an alarm. Via the software, the entrances can be programmed and checked for sabotage or malfunctions.

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Technical specifications

Dimensions	345 x 230 x 75 mm (LxWxH)
Weight	~2,7 kg
Housing	Aluminium and steel
Temperature range	Operating: 0 - 55 °C; Storage -30 - 65 °C
Relative humidity	10% to 93% (non-condensing)
Card credentials	Nedap cards 120 kHz
Detection range	Up to 10 cm (depending on antenna and environment)
Supported antennas	4 x Nedap antennas, incl. Nedap TRANSIT readers
Inputs	8; monitored, freely definable, intended for dry contact
Outputs	4 relays; free definable, potential free (NO / NC)
	8 LEDs: (e.g. for red and green, max 20 mA)
Tamper switch	Yes, integrated on PCB
Power	10 – 35 VDC (200 mA @ 24 VDC, 300 mA @ 12 VDC)
Cabling	AEbus: always shielded cabling:
	- only AP4xxx (including power): Max. 1000 m; 3 x 2 x 0,5mm²
	- only AP4xxx (CL,CH,CGND): Max. 1000 m; 2 x 2 x 0,5mm²
	- AP4xxx + AEpacks: Max. 5 m; 5 x 0,5mm²
	- AP4xxx + AEpacks + AX2002: Max. 300 m; 2 x 2 x 0,5mm²
	Antennas: Max. 50 m; 5 x 0,25 mm² shielded
	Contacts and sensors: Max. 100 m; n x 0,25 mm²
Extra Power output	5 VDC (max. 100 mA total)

Article number

AP4001X	9854290