DC080 Proximity antenna

The DC080 antenna is an antenna unit for secure detection of Nedap cards. It transmits the unique (RF) badge information to the door controller.

- Suitable for indoor and outdoor use
- Secure badge reading principle
- Vandal-proof protectors available
- Perfectly fits in standard electrical mounting box (DC080FC)

Secure badge reading principle
By the use of the DC080 antenna, the in house developed RF technology transports the badge information to the controller on the safe side of the door first. Then, then the the badge information is read in the controller and access is provided securely. All performed in the secured environment of a building.

Contactless reading
The DC080C proximity antenna registers the presence of an access badge at a distance of approximately 5 cm. The DC080C offers maximum convenience as it is capable of reading the badge information even if the access badge is still in your wallet. This is a major benefit in comparison to other systems where the badges need to be inserted or even swiped through a badge reader.

No maintenance
Because the badges and key fobs are read contactless, there are no moving or wearing-sensitive parts in the system. This guarantees maintenance-free operation and a nearly infinite lifespan. In environments where extra vandal-proof protection is required, the DC080C

family can be mounted with an additional vandal-resistant protective cover.

Suitable for outdoor installation
The DC080C is rated IP54 and the DC080FC is rated IP65, this makes them both suitable for use in outdoor installations, e.g., outside doors, barriers and sliding gates. We recommend the use of our Protector for outdoor applications. These Protectors offer greater protection against vandalism. The DC080FC has been specially designed to fit into a standard electrical mounting box. This significantly simplifies installation and avoids the costs of separate cabling.

Integral multi-colour LED
The integral LED indicator is capable of lighting up in blue, red or green. Standard, red indicates that access has been denied and green indicates that access is granted to an authorised badge and the entrance is unlocked.

Technical specifications

Dimensions	DC080C: 80 x 80 x 32 mm (LxWxH)
	DC080FC: 80 x 80 x 27 mm (LxWxH), part above surface: 11 mm
Weight	~0,1 kg
Housing	ABS
Temperature range	Operating: -20 – 50°C; Storage -30 – 70°C
Relative humidity	10% to 93% (non-condensing)
Card credentials	Nedap technology cards
Detection range	Up to 10 cm (depending on card and reader)
Indicators	3 LEDs: red, green, blue buzzer
Protection	DC080C: IP54
	DC080FC: IP65
Cabling	Max. 50 m; 5 x 0,25 mm² shielded up to 8 x 0,25 mm² shielded (depending on number of connections)

Additional products

Protectors	Article nr. 9896864: Protector 80C for surface mount version
	Article nr. 9892338: Protector 80FC for flush mount version
Surface mounting set	Article nr. 9945890: For placing the flush mounted version outside on a wall (weather resistant)

Article number

DC080C	9942416
DC080FC	9942424

Subject to change without prior notification