

doorLoxx® – Digital Locking Systems

An access control system that can be fitted to standard mechanical locks allowing them to be wirelessly connected without the need to modify the door. doorLoxx digital locking components are available as battery powered digital cylinders and smart handles. doorLoxx can form part of a new or existing access control system with no need for wires to the door, exceptional long battery life combined with the innovative flexibility to adapt the product at point of installation to fit many types of door puts doorLoxx at the top in its class.



Online and update reader

The PDx 4 is an "online" and update component in the doorLoxx system. It can be connected to the network via the IDC 2 controller. Depending on the identification medium used, it is possible to transfer data to both passive transponders as well as active key fobs at the PDx 4 reader. Data stored in this manner is designated "Cardnet" or "Tag-net". The PDx 4 updates the daily time stamp, in other words the validity of the access authorization on the identification medium. If required, when the event recorder completes a transaction it is possible to read out data from the identification medium or load the list of disabled (blacklisted) identity cards. In this way service information, such as the number of closures and battery status, is also transmitted to the control system.

Your benefits at a glance:

- Supports active and passive transponders
- All data communication AES encrypted
- Can be integrated wirelessly into the system via Airlink
- Controls the online access control system
- Supplies all data to the offline access control system operating in parallel

Technical data

Dimensions WxHxD:	71 x 71 x 20.5 mm
Material:	ASA
Protection class:	IP65
Mounting:	Terminated in 55 mm junction box
Operating temperature:	-25...+60°C
Relative humidity:	5...100%, condensing
Power requirement:	12...24VDC / max. 350 mA
Transponder technologies:	
PDM 4	13.56 MHz mifare® DESFire EV1, NFC, Active VLF
PDL 4	13.56 MHz Legic Advant, NFC Active VLF
Reading distance:	Up to 40 mm Active VLF 10 cm
Radio network:	868 MHz airLink
Interfaces:	RS485
Transaction times for mifare DESFire EV1:	
Update time:	< 500 ms
Update 500 bytes:	< 2 s
Read 4 KBytes:	< 4 s
Separate VLF antenna:	Yes, 5 m max.