

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.

Airlink Spot

The Airlink Spot ALS 20 / ALS 20 E are designed to connect the door release elements distributed within a building to a wireless network. Using the Airlink protocol it is possible to operate as many as 8 electronic digital cylinders and other hardware wirelessly. The Airlink Spot is available with a partyline-capable RS485 interface as well as an Ethernet/PoE interface.

It is possible to operate the Airlink Spot both in a frequency band in which 100% duty cycle operations, fast data rates and low transmitting power are required as well as in a band in which only 1% duty cycle operations and a slow data rate are required, but by contrast a higher transmitting power. The many fields of applications of the ALS 20 / ALS 20 E include collecting all online transactions of the electronic digital cylinders and other hardware located in the reception area. It goes without saying that at the same time all clocks are adjusted, blacklists managed and battery status reports are synchronized using the Commander software and the control options at its disposal.

Your benefits at a glance:

- **Connect doorLoxx components to a wireless network**
- **Extremely secure thanks to AES encrypted data communications**
- **Modular design facilitates extension to network coverage with other ALS 20 Airlink Spots**
- **Easily wired – just four conductors**
- **Compact housing with integrated antenna**
- **Optionally with or without an Ethernet interface**



Technical data

Dimensions WxHxD:	110 x 83 x 16.5 mm	
Material:	ASA, PC	
Protection class:	IP54	
Operating temperature:	-25...+60°C	
Relative humidity:	5...95%, non-condensing	
Power requirement:	12-24 VDC / max. 100 mA	
Radio network:	868 MHz airLink	
Range:	Up to 30 m	
Interfaces:	ALS 20 ALS 20 E	RS485, Ethernet Ethernet / PoE
Number of Airlink nodes:	8	
Number of partyline nodes:	16	