

## 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.

### AKF – the heavy duty key fobs

The active key fobs can be used to directly release and control doorLoxx door release elements. Together with the SMB 5 Smart I/O Box they can also be used to control third-party systems and facilities. For that purpose the AKF 3 is equipped with two special buttons with which it is possible to execute respective control functions by means of the Airlink protocol. The active key fobs are equipped with a memory chip for "Cardnet or Tagnet" as well as a real-time clock to verify time profiles in the doorLoxx system. The integrated real-time clock ensures time zones can be activated as required, so that it is possible to limit levels of access accordingly. The recessed button guarantees it is reliable to use and excellent ergonomic comfort. A red and a green LED signalize entry authorized, entry denied as well as the battery status respectively. Optionally, it is also possible to integrate passive inlays in the housing to control previously installed systems in parallel or to operate mixed active and passive doorLoxx components within a system. All communications are secured by means of authentication and AES encryption.

### Your benefits at a glance:

- **AES encrypted, bidirectional communication**
- **Stores Tagnet and time profiles**
- **Integrated real-time clock**
- **Ergonomic button design for a long service life**
- **Dual technology possible by retrofitting passive inlays**
- **LED battery status indication**
- **Extra rugged design for working conditions that place high demands on mechanical durability**



### Technical data

#### Dimensions WxHxD:

AKF 1 / AKF 1 F	43 x 87 x 19 mm
AKF 3	40 x 83 x 18 mm

#### Material:

ASA / V2A

#### Colour:

AKF 1 / AKF 3	Black
AKF 1 F	Red

#### Operating temperature: +5...+50°C

#### Relative humidity: 5...95%, non-condensing

#### Power requirement: 1x CR 2450 Lithium button cell

#### Frequency: VLF

#### Activating range VLF: Up to 50 cm

#### Real-time clock: Yes

#### Battery life: 5 years / up to 200,000 operations

#### Data communication: Bidirectional with AES encryption

### Accessories

#### Can be retrofitted with inlay:

LEGIC Prime  
LEGIC advant  
mifare classic  
mifare DESFire EV1  
Hitag2 / EM4102