BOSCH

BIS ACE Offline Doors 4.9

▶ Extend your BIS Access Engine by the ability to control and manage doors that are not continuously online.

▶ Enjoy the advantages of centralized door management without the cost of a dedicated network.

▶ Choose from a wide range of compatible lock cylinders and door fittings.

BIS Offline Doors is an optional extension to BIS Access Engine. It provides the ability to program and manage a set of door locks securely and efficiently, without requiring the locks to be continuously online.

System overview

Areas of application
Offline locking systems are ideal for controlling access to doors that need not (or can not) be continuously online. They are used where the costs of a fully online system would be too high, but conventional hardware lock-and-key systems too inflexible.
Offline locking systems are typically used for sites where a large number of doors require individually controlled access, such as hotels, students' residences, schools and hospitals.
The high cost of replacing lost or stolen keys can be avoided completely, because the system can quickly be reprogrammed to reject any cards that have been declared missing, thus rendering them useless.

Usage
In offline locking systems the authorizations for doors are stored on user cards. When the user card is presented at a door the inbuilt offline reader determines whether the card is currently authorized to open that door, and activates the cylinder accordingly.
For additional security the authorizations on a card are typically limited to a particular time period. Once this period expires the authorizations automatically lose their validity.
Door terminals are programmed and reprogrammed through the use of system cards.

System cards and user cards, with their authorizations and time limits, are defined by special dialogs within BIS Access Engine, and the cards reprogrammed by enrolment readers listed below.

The BIS Offline Doors extension is integrated with and managed by the Access Engine in the Building Integration System (BIS) versions 4.2 and higher.

Functions

The offline locking system consists of software, hardware and accessories. The hardware is freely available on the open market from Bosch partners. The software license enables a number of dialogs in BIS and ACE.

Software:
• Configuration dialogs are made available within BIS and the BIS Access Engine (ACE).
• BIS and ACE are prerequisites for ordering the offline locking system.

Hardware:
• Enrolment readers. See list of supported readers below.
• Terminals for installation in door fittings.

Accessories:
• System cards for initializing door terminals and updating access authorizations.
• User cards for accessing the doors within the system.

Installation/configuration notes

Limits	Values
Number of doors in the basic license	25
Number of doors in the extension license	25
Max. number of offline doors	65000
Max. number of door groups	1024
Max. number of time models	16
Max. number of special days	10
Max. number of special periods	2

Reader technologies	Supported PegaSys enrollment readers (Firmware version)
MIFARE DESFire	DELTA 10x0 MD (69970) BT only
MIFARE classic	DELTA 7020 MF (69720 / 69916)
LEGIC advant	DELTA 10x0 LA (69920) BT only
LEGIC prime	DELTA 7020 LE (69633 / 69916)
HITAG1	DELTA 7020 HI1 (69462 / 69916)

Offline components	Firmware
Door fittings	MIFARE V2.1.5 LEGIC V1.9.2 HITAG V4.6B
E-cylinders	MIFARE V2.2.15 LEGIC V2.3.5 HITAG V1.6.1
Lockers	MFP16x_1.42, HW202.a90

Technical specifications

See the specifications for the respective version of the BIS Basic Package.

Ordering information

BIS-FACE-OFFL49 License for offline basic package
License for the BIS ACE Offline Doors basic package

Order number	Asset Key	Vepos
**BIS-FACE-OFFL49	F.01U.395.621**	6024	5621

BIS-XACE-25OF49 License for 25 offline doors
License for 25 additional BIS ACE Offline doors

Order number	Asset Key	Vepos
**BIS-XACE-25OF49	F.01U.395.622**	6024	5622