ENIS Smart Lock & Access Control

Hotel & Apartment Smart Locks and Integrated Smart Doors

ENGINEERING SPECIFICATION & SUBMITTAL PACK

This pack sets out the lock platform, the mortise standards, the access-control devices and the project information we need to quote and produce a hotel or apartment access system. All figures are taken from the product catalogues.

B2B and commercial projects only. Volume orders. FOB or CIF quotations. This document is a technical summary; the drawings, door schedule and shop drawings released with your order govern.

Lock platform

Specification	Value
RFID credential	Mifare-1, 2^32 key space
Power supply	4 x AA alkaline (DC 6 V)
Cycle life	15,000+ open cycles
Audit records	200 / 900 / 990 records, retained across power loss
Low-battery warning	At 4.5 V, with roughly 150 further openings
Lock face material	SUS 304 stainless steel with Q235 cold-rolled inner plate
Lock bolt and transmission	304 stainless steel precision cast
Panel	Die-cast aluminium, electroplated matt gunmetal
Door thickness	40-70 mm; other thicknesses made to order
Mortise standards	ANSI 7098 five-latch hotel mortise; EU 62 series mortises
Network	TCP/IP client-server, multi-point card issuing
Card levels	Room card, master card, building card, floor card, multi-door card
Platforms	TT-Lock and Tuya (Wi-Fi and BLE builds)

Standards and PMS integration

Standard	Applies to
EN 12209	Electromechanical locks and locking devices
EN 14846	Electrically powered locks for use on doors
UL 10C	Electrically operated locks, listed for the US market
Opera PMS	Opera property management system interface
EN 1634-1	Fire resistance of door and shutter assemblies

Access control devices

Model	Function
ZF-EC01-8F	Elevator controller, up to 8 floors, manual call mode
ZF-EC01-16F	Elevator controller, up to 16 floors, manual call mode
ZF-EC01-16F	Elevator controller, up to 16 floors, direct-to-floor, automatic mode
ZF-MFC01-16	Card encoder and issuing unit; two units recommended per hotel
ZF-PHD01-16	Handheld terminal: room numbers, lock time, audit download, check-in and check-out
ZF-MJ01-A	Single-door access controller

Hotel lock price list

Model	Finish, mortise and price

ZF-T29	Matte black · 62 mortise · FOB US$219 · indicative retail US$340-380
ZF-T29L	Coffee gold · 62 mortise · FOB US$231 · indicative retail US$340-380
ZF-GR11	Matte black · 62 mortise · FOB US$225 · indicative retail US$350-400
ZF-V21	Matte black · 62 mortise · FOB US$225 · indicative retail US$350-395
ZF-BTQTB11C	Coffee gold · 62 mortise · FOB US$225 · indicative retail US$350-395
ZF-501-BN	Matte black · 70 mortise · FOB US$213 · indicative retail US$330-450
ZF-501-CB	Coffee gold · 70 mortise · FOB US$213 · indicative retail US$330-450
ZF-S72G	Brushed enamel copper · 62 large mortise · FOB US$281 · indicative retail US$360-480
ZF-S193-CB	Coffee brown · 70 large mortise · FOB US$269 · indicative retail US$320-380
ZF-S95	Matte black · 62 medium mortise · FOB US$231 · indicative retail US$360-400
ZF-YDS58-B6	Matte black · 62 medium mortise · FOB US$244 · indicative retail US$370-410
ZF-K6	Matte black · 62 medium mortise · FOB US$244 · indicative retail US$420-460
ZF-DS06-19	Matte black · 62 large mortise · FOB US$238 · indicative retail US$420-460
ZF-DS06-18	Matte black · 70 large mortise · FOB US$250 · indicative retail US$320-380
ZF-DS06-ZMG	Gunmetal · 70 large mortise · FOB US$263 · indicative retail US$320-380
ZF-K6(BK)-93	Gunmetal · 62 large mortise · FOB US$269 · indicative retail US$480-550
ZF-K6(BK3)	Matte black · 62 large mortise · FOB US$256 · indicative retail US$460-530
ZF-S195(7#)-BN	Matte black · 70 mortise · FOB US$225 · indicative retail US$280-360
ZF-MFC01-16	Card issuing machine · FOB US$325 · indicative retail US$500-1000
ZF-EC01-8F	Elevator controller · 8 floors, button-confirm · FOB US$1000 · indicative retail US$1800-4000
ZF-EC01-16F	Elevator controller · 16 floors, button-confirm · FOB US$1625 · indicative retail US$2450-5000
ZF-EC01-16F	Elevator controller · 16 floors, direct arrival · FOB US$1875 · indicative retail US$2450-5000
ZF-PHD01-16	Handheld terminal · FOB US$825 · indicative retail US$1100-2000
ZF-MJ01-A	Access control · single door · FOB US$563 · indicative retail US$500-800
ZF-MJ01-B	Access control · double door · FOB US$688 · indicative retail US$650-1800
HLSV-P8	Lock management software
ZF50-M1	Key card, blank · FOB US$3 · indicative retail US$6-10
ZF50-M1	Key card, printed to customer artwork · FOB US$3 · indicative retail US$6-10

Packing and project organisation

Item	Method
Labelling	Locks and readers packed and labelled by floor and room number
Card hierarchy	Room card, master card, building card, floor card and multi-door card issued from the front desk
Audit trail	Opening records downloaded from the lock, not from the card
Loading plan	Units per container and the loading plan are issued with the quotation against your room list
Encoder sizing	Two issuing units recommended for a hotel, scaled to the room count

Issued per project

- Elevator control boards are supplied without installation; installation is quoted separately.
- Test evidence for a specific certification is issued per project against the assembled product.
- The door schedule and the PMS interface specification are required before a quotation is released.

What we need to quote and draw your project

- Door schedule with leaf sizes, swing direction and door thickness
- Room list with the floor and room numbering convention
- PMS interface specification and the card system already in use
- Elevator layout if floor authorisation is required
- Destination port and the required trade term

Project enquiry

Send the information above to enisfactoryck@gmail.com or call +86 181 2711 0219. Our engineering team replies within one busines