

# F1 SERIES

F1 offers the state of the art Radio Frequency (RFID) technology and stable mechanical design to ensure guest satisfaction.

Makfa F1 has wisely developed installation system to make the lock exactly fit to the door. After the first correct installation F1 will never move on the door. The technical service maintenance will follow this installation to prevent wrong installations.

F1 use original Philips NXP Mifare 13.56Mhz RFID Chipset and Texas Instruments MCU.

Anti-Cloning technology, Europe and US std mortise options.

Hidden mechanical override key option in case of emergency.



## ELECTRONIC (PCB) Specifications



	ME	ME Extended
Frequency	13.56 MHZ	13.56 MHZ
Detection Method	Mikrowave	Mikrowave
Log Capacity	240	800
Log Reading	by Card	by Card
Temperature	-15 C / 60 C	-15 C / 60 C



Model	Mortise (Lock Body) Features					Battery Type	Motor	Weight
	Mortise	Min. Door Thickness	Mortise Depth	Center (mm)	Mortise Thickness			
F3								
E2	Euro	32 mm	85 mm	55 mm	23mm	4xAA 4xAAA	In Mortise	2,50
E4	TS EN 12209	30 mm	66 mm	40 mm	22mm	4xAA	In Body	2,45
E5	50x85 Euro	30 mm	76 mm	50 mm	22mm	4xAA	In Body	2,30
A3	ANSI	36 mm	90 mm	62 mm	26mm	4xAA	In Mortise	2,55
K	Knob	32 mm	60-80 mm	50-60-70 mm	24mm	4xAA 4xAAA	In Body	1,90

# F1 Series Mortise Options

	A1 - A2 Mortise	E-2 Mortise	E3-E1 Mortise	K6-K7 Mortise
Anti Friction Latch	✓	✓	✗	✓
Anti-Pick (Theft) Latch	✓	✓	✗	✗
Deadbolt	✓	✓	✓	✗
Anti-Panic Exit	✓	✓	✓	✓
Auto-Locking Function	✗	✗	✓	✗
Min Door Thickness	40 MM	30 MM	30 MM	32 MM
Cylinder Type	ANSI	EURO	EURO	EURO
Electronic DND Function	✓	✓	✓	✓

## F1 RFID ELECTRONIC LOCKING System Features

- ISO/IEC 14443 Reading Technology
- Stable reading speed
- Long Battery Life. Microwave card detection
- Texas Instruments/Atmel MCU inside
- Works with paper card, ISO cards, wristbands, keychains etc
- Even dia 14mm paper label cards can be identified
- Powered by 4pcs of Alkaline AA-AAA batteries. 2 years battery life
- Led and sound allerts
- Non-volatile memory; records last 240(980 optional) openings include mechanical override
- Classic Hotel Lock Desing
- Up to 65.000 rooms in one project and UNLIMITED masterkeying possibility
- Compatible with Windows XP/7/8 and Windows 10
- Network based , MSSQL, system offers unlimited client and reseption desk/encoder

## Body / Lock Features

- SUS 304 Stainless Steel Body
- Optional Outdoor PVD Coating
- Special Installation System to ensure the stability
- Very easy to maintain.
- Extra Strong Desing
- EUR 55x75 or ANSI Mortise Options
- Compatible with upto 120 min. Fire rated doors
- CE, FCC, ISO
- Anti-Friction Latch
- DND Function and Anti-Panic Function
- Anti-Pick ( Theft ) Latch
- EUR Std Cylinder for E1-E2 Mortises
- ANSI Special Cylinder for A1-A2 Mortises



ISO  
9001:2008  
REGISTERED



WARRANTY

