

# Lutér<sup>®</sup> M8A0-Series-EM

- Electronic Mortise Lock Case  
Overall appearance



# Electronic Specification

Operating Voltage: 2.5V-9V

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Motor Type: DC Coreless Motor

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Locking Mechanism: Clutch

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Avg. Power: 77.96 mW

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Unlocking Avg. Time: 35-40 Ms

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Locking Avg. Time: 35-40 Ms

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Detective Sensors

(Optional) 1. Motor sensor 2. Auxiliary bolt sensor 3. Physical key sensor

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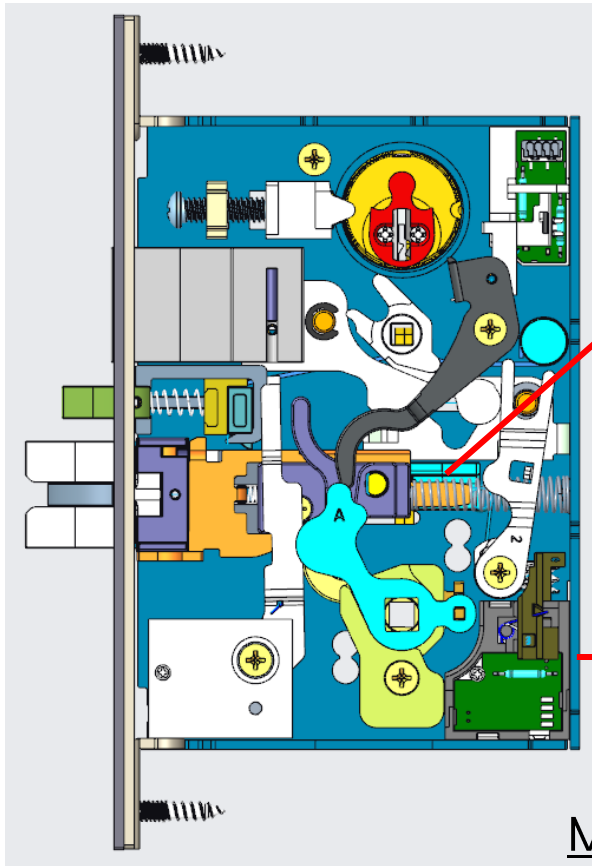
# Mechanical Specification

<b>Standard:</b>	ANSI grade 1/ UL 3 HRS fire rated certificated
<b>Function:</b>	F13 Apartment/ Dormitory (Interior lever could retract latch bolt& deadbolt simultaneously)
<b>Handing:</b>	Non-handed lever, The lockset can be re-handed without disassembling the lock case
<b>Door Thickness:</b>	Standard : 1-3/4" (45mm) – 2-3/20"(55mm)
<b>Backset:</b>	2-3/4" (70mm)
<b>Lock case:</b>	Center to center 3-7/8"(98mm) or 3-5/8"(92mm) adjustable"; Heavy-gauge (2.3mm) steel, 6-1/16" (154mm) x 4-7/16" (113mm) x 1" (25mm).
<b>Front:</b>	Heavy-Gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).
<b>Latch bolt:</b>	2-piece stainless mechanical with Anti-friction insert, 23/32" (18.2mm) x 1" (26mm) x 3/4" (18.8mm) throw.
<b>Auxiliary Latch bolt:</b>	1/2" (12.7mm) effective throw and 3/8"(9.5mm) effective auxiliary latch deadlocking.
<b>Deadbolt:</b>	One-piece stainless steel, 19/32" (14.5mm) x 1-1/8" (28mm) x 1" (25.4mm) throw.

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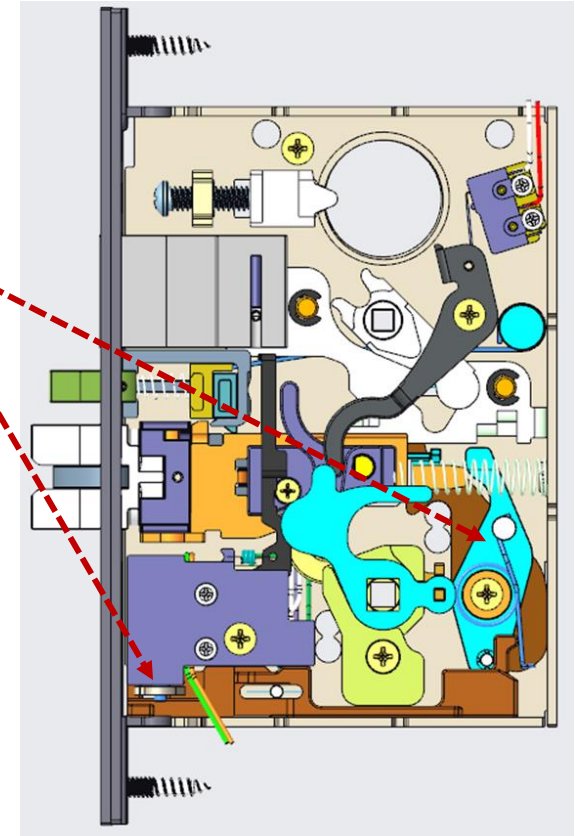
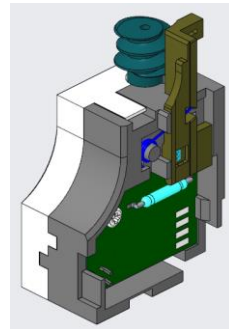
# Electronic-mortise case, core for mortise e-lock

## M8A0 Series E-mortise Lock case



### M8A0 Series transmission sets-Improve reliability

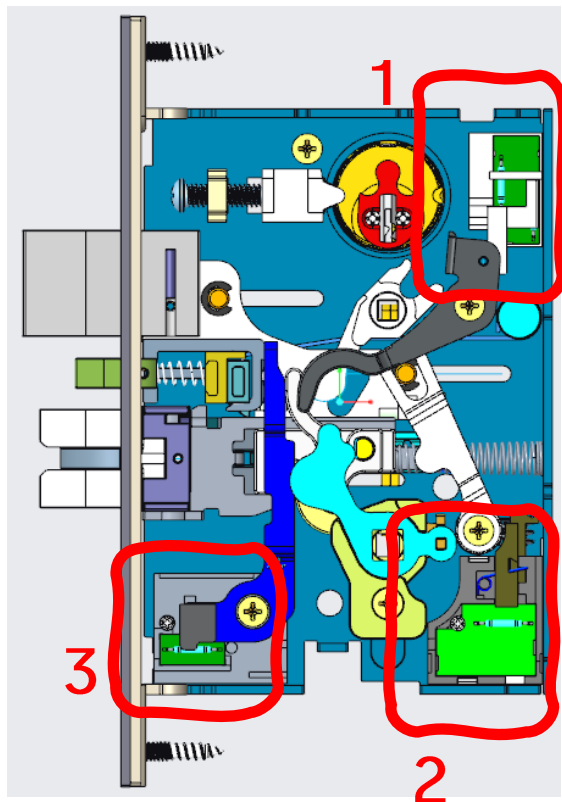
Improved screw rod & spring transmission sets replaced previous positioning plates, provide more reliable transmission and provides idling protection to motor in case of over stroke.



### Motor--- Improve power efficiency

3.0V motor · direct drive screw rod movement; Simple movement, less defect than gearbox, and allows highly improved efficiency.

# E-mortise case, core for mortise e-lock



Multiple sensors, signal combinations can provide a full image of lock status for related function development;

1. Mechanical key unlock sensor

Beside regular digital ID unlock identification & recording, mechanical key operations can be recorded too, provide a full history record possibility;

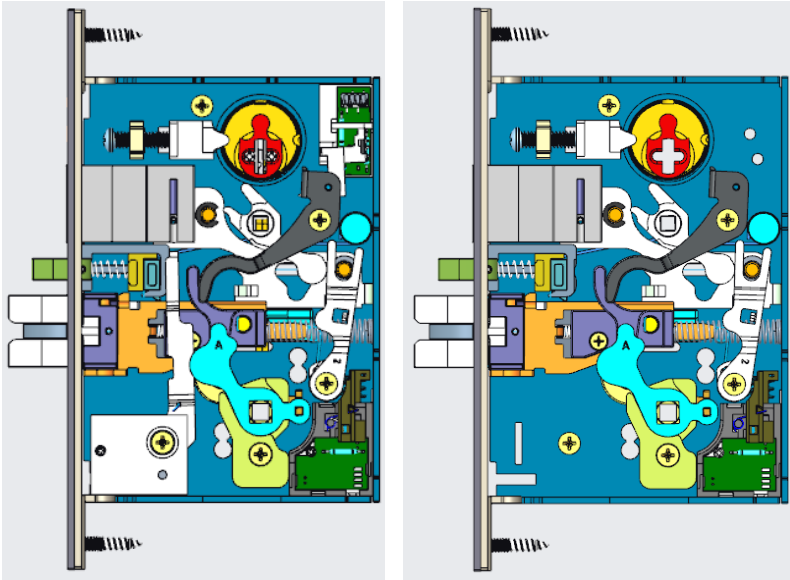
2. Motor sensor

Identify and record motor actions for further function development;

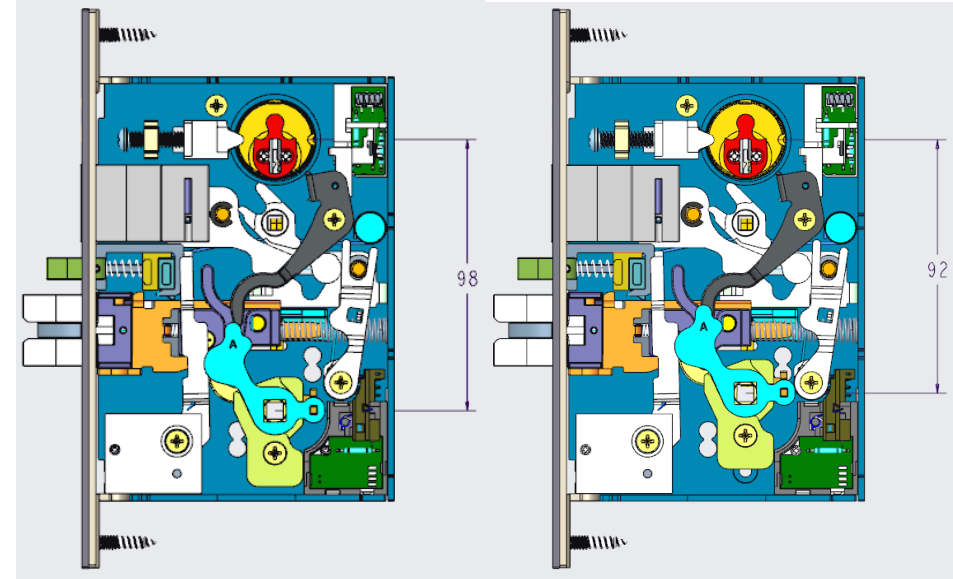
3. Anti-theft bolt sensor,

Identify and record door status, open or close, provide info for function development;

# M8A0 Series-mortise case, core for mortise e-lock



Sensors can be optional based on e-lock design requirement



CTC 92mm or 98mm adjustable