MotorDrive

EM30•60 Technical Manual

CHARACTERISTICS

The MotorDrive lock can be mounted in all four mounting directions. The mounting dimensions are standard. features a 6 to 8 digits main code that can be changed by the user. The Leader Electronics feature Master (8-digits), Service and Main (6 or 7-digits) code levels. Each code can be changed by the user. With the main code up to 40 secondary codes (6 or 7-digits) can be activated and deleted. Dual mode, time delay, time lock and Dallas key identification are available optional functions. If a valid code has been entered, the lock electronics removes the blocking and the bolt is drawn into the housing. Bolt stays in fully open position for 5 seconds. When moving the boltwork into LOCKED position, the MotorDrive automatically secures.

ENTRY UNITS

MotorDrive EM30-60 is compatible with the following NL LOCK Entry units (separate technical descriptions for Entry units are available). Entry unit cable hole on the safe door does not have to exceed 11 mm diameter

Leader LI20xx	**LockONE TE20xx**

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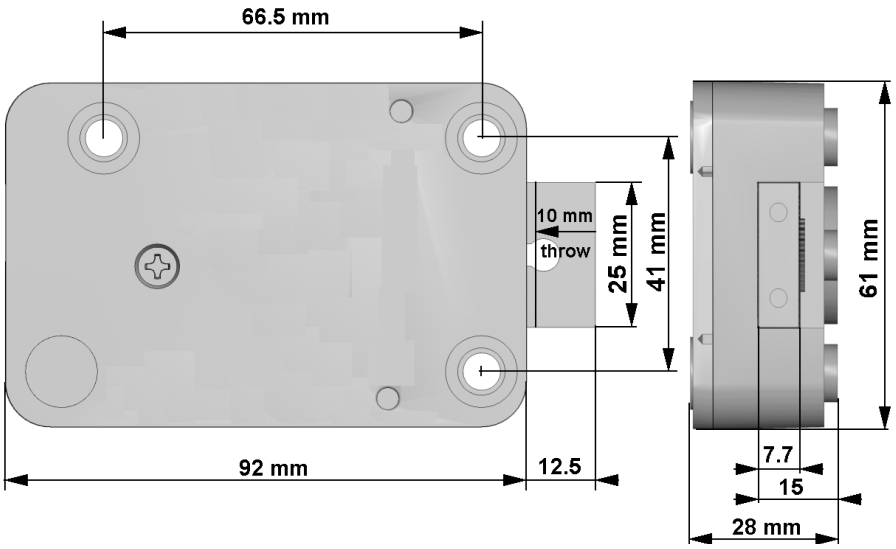
BOLTWORK REQUIREMENTS and MOUNTING INSTRUCTION

The force applied to the lock bolt in locked condition must not exceed 1 KN. If higher force is desired please consult with the manufacturer. Only use NL LOCK supplied screws (M6) to mount the lock. Lock has to be mounted on secure storage metal (preferred steel) units only. Tighten the screws securely so the lock body is attached firmly to the mounting surface. Use of screw locking glue (i.e. Loctite) is recommended.

DIMENSIONS



Important:

- Modifications to the lock are not allowed, and will void the manufacturer's warranty and Standards approvals.
- Lock body area should be protected against destructive attacks

Security relevant parts of a HSL should not be accessible to unauthorized persons when the door of the secure storage unit to which it is fitted is open

Mount the entry unit following the manufacturer's instruction.

Insert the connector of the entry unit in the inner position. Check that the connector is completely seated. To remove the connector, carefully lift it and pull it out.

In the entry unit or battery box connect a 9V-ALKALINE-battery from a brand name manufacturer, i.e. DURACELL.

Tie cables away from moving parts.

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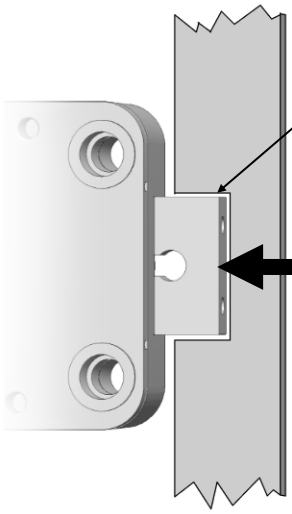
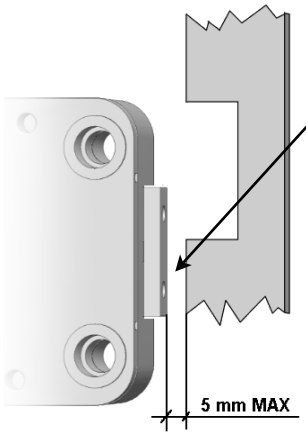


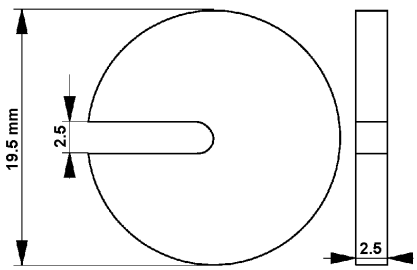
In the LOCKED position, there should be approximately 1,5 mm clearance between the lock bolt and the cavity in the blocking bar of the boltwork. The lock bolt must move freely into the cavity.

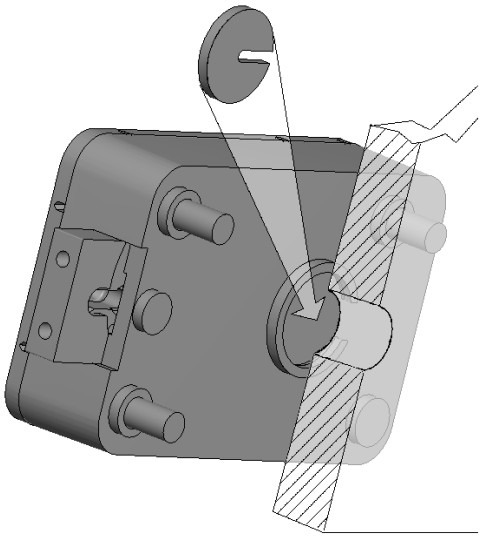
Any Bolt attachment should not exceed
0.450 Kg / 1.0 lb
(equals a force of 5N)



When the lock bolt is retracted, the distance to the blocking bar must not exceed 5 mm.

Note:
If a cable/spindle hole is located under the MotorDrive, use a suitable drill protection. such as NL Lock Part Number T016.





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FUNCTIONAL TEST (with door open)

A. Test Electronics

Like all locks from NL LOCK this unit includes a unique feature to test the electronics: “Function 5”

STEP	TASK	REMARK
1	Press and hold [5] until a double signal sounds and the light stays ON.	
2	Enter the all keys in exactly this sequence: [1]-[2]-[3]-[4]-[5]-[6]-[7]-[8]-[9]-[0]	Push buttons slowly so you recognize the signaling of the lock. A double signal indicates that the keypad and the lock communicate properly. A long signal indicates that the electronics may be damaged.

B. Mechanical Test

- Enter code (1,2,3,4,5,6). The lock emits a double signal for the correct code and a second double signal when the lock bolt is fully retracted.
- Turn boltwork handle towards OPEN position.
- After approximately 5 seconds (automatic closing mode) or when any key is pressed (manual closing mode), the motor can be heard again when it releases the lock bolt against the blocking bar of the boltwork.
- Turn handle towards Locked position.
- The lock bolt must fully extend and secure. When the lock secures, a double signal is emitted.
- Make sure there is an air space on all sides of the lock bolt when the safe’s boltwork is fully thrown into locked position.

IMPORTANT: Perform the functional test several times before locking the safe door.

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