

ML2000 Series Mortise Locks Motorized Electric Latch Retraction

Corbin
Russwin®
ASSA ABLOY



Mortise Locks

> Does MELR unlock the trim for keyed functions?

No, the MELR does not unlock the trim. It operates by retracting the latchbolt when power is applied. Once power is removed, the latch automatically extends back to its locked position, keeping the trim locked.

> Is there a Fail-Safe version available?

No, the MELR option does not control the locking or unlocking of the trim. It simply retracts the latchbolt with power and allows it to extend back when power is removed. The trim remains locked for storeroom and institutional functions.

> Is there a privacy function available?

For achieving privacy functionality, we recommend using the MELR in combination with the Norton Rixson 575 module.

> What kind of motor does the MELR use?

The Mortise MELR utilizes a stepper motor. This motor type ensures smooth and quiet operation with minimal power consumption. Additionally, it reduces heat generation compared to solenoids, especially during extended hold back periods.

> Are there any monitoring options available (Request to Exit, Latchbolt monitoring, Deadbolt monitoring, etc.)?

Only the Request to Exit option is available for passage and storeroom functions. Institutional privacy functions do not offer any monitoring options.

> How long does it take to retract the latch?

When power is applied, the latch retracts in approximately half a second.

> How does the MELR perform with pressure applied to the door?

The mortise MELR can maintain latch retraction even under pressure exceeding 50lbs. In comparative testing, competitors typically withstand around 20lbs of pressure.

> Is the MELR option available with Behavioral Health trim?

Applications requiring Behavioral Health trim compatibility will need to be assessed through a Special Product Application Request.

> Does the MELR option support status indicators?

No, as the functions of the MELR do not involve locking or unlocking the trim, there is no internal mechanism within the lock to drive status indicators.

> Can the MELR option be used with deadbolt functions?

No, as the motor occupies deadbolt space, the MELR option is not compatible with deadbolt functions.

> Can the MELR option be used with a thumbturn?

No, the MELR option cannot be used with a thumbturn as the motor occupies the space required for it.

> Is the MELR option compatible with knob trim?

No, the MELR option is only available with lever trim; knob trim is not supported.

> Can MELR lock bodies be retrofitted in the field to existing trim?

Yes, lock bodies compatible with MELR functionality will be available for retrofitting to existing lever trim configurations in the field.

> Does the MELR utilize standard ElectroLynx® connectors?

Yes, electrical connections are made simpler through the use of ASSA ABLOY's universal ElectroLynx® connectors.

> Are special cylinders required for the cylinder functions with MELR?

No, the cylinder functions with MELR utilize the same cylinders as the standard mechanical functions for the respective brands.

frequently asked questions

ML2000 Series Mortise Locks Motorized Electric Latch Retraction



Mortise Locks

> Will the MELR lock with the Request to Exit option provide independent RX signals?

No, both RX signals share a common return. The switches are normally open and will close when the lever is turned.

> Are alternate door thicknesses available with MELR?

MELR can be customized for doors that are 1-3/4 inches or thicker. Doors thinner than 1-3/4 inches cannot be used with MELR locks.

> Are internal lock body components available separately?

No, complete lock body units will be provided for replacement. Individual lock parts will not be available separately.

> What occurs in the event of a failure to retract?

If the latchbolt fails to retract, it is pushed back by the latch spring. Subsequently, the lock will enter a slower speed/higher torque mode to attempt retraction again.

frequently asked questions