

Features

ML20900 ECL

Features

Handing

Handed; quick reversible. The lockset can be re-handed without disassembling the lockcase.

Door Thickness

1-3/4" (44mm) standard. Optional door thicknesses available; see Quick Codes, page 70.

Backset

2-3/4" (70mm).

Lockcase

Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front

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).

Armored Front

Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.



Latchbolt

2-piece mechanical anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt

9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Hub

- Knob: stainless steel, 9/32" (7mm) x 9/32" (7mm).
- Lever: steel, 5/16" (8mm). (Including )
-  3/8" (10mm) stainless steel.

Spacing

C. to c. knob/lever to cylinder: 3-5/8" (92mm)

C. to c. knob/lever to thumbturn: 2-7/16" (62mm).

Strike

Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 70.

Trim

Available with all ML2000 Series trim designs including the Vineyard™ Collection and the Muséo® Collection. See pages 40-57.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 69.

Keys

Two nickel silver standard.

Warranty

Ten-year limited warranty on ML2000 mortise lockset. Two-year limited warranty on electronic components.

Electrical Specifications (Fail Safe/Fail Secure)

12/24VDC @ 15mA Continuous

12/24VDC Peak current draw = .5A

(Maximum of 2 locks per 1A Power Supply)

Monitor Switch Rating: 2 amp @ 24VDC

Note: Operating voltage not to exceed +/- 10%.

See Quick Codes, page 71.

Monitor Options

M91 - Latchbolt Monitor

Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.

M92 - Request to Exit Monitor

Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)

M105 - Security Monitor

Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.

Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Certification/Compliance

ANSI/BHMA

Certified A156.13 Series 1000, operational and security Grade 1. Meets A117.1 Accessibility Code.



Federal

Meets FF-H-106C.

UL/cUL

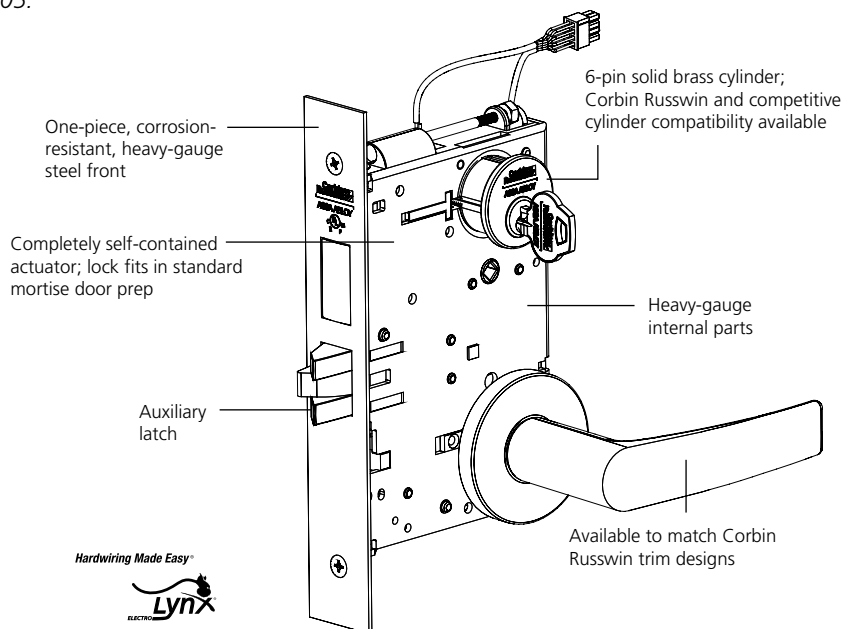
All locks listed for A label and lesser class doors, 4' x 10' single or 8' x 10' pair. Letter F and UL symbol on armored front indicate listing. Meets requirements of UL1034.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code

(Formerly Title 19, California State Fire Marshal Standard)

All levers with returns comply; levers return to within 1/2" of door face.

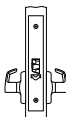
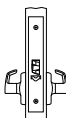

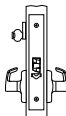

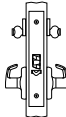




Functions

ML20900 ECL

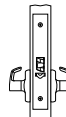
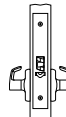

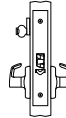

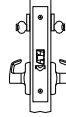

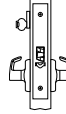
Fail Safe

The following functions are unlocked when power is off and locked when the power is on.

Outside	Inside	Series/Function	Description
		ML20907 x SAF (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side, unless outside grip is locked by energizing lock. Inside grip always free. Auxiliary latch deadlocks latchbolt.
		ML20915 x SAF (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side, unless both grips are locked by energizing lock. Auxiliary latch deadlocks latchbolt.
		ML20914 x SAF (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side, unless both grips are locked by energizing lock. Latchbolt by key outside when lock is energized. Auxiliary latch deadlocks latchbolt.
		ML20932 x SAF (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side, unless both grips are locked by energizing lock. Latchbolt by key inside or outside when lock is energized. Auxiliary latch deadlocks latchbolt.
		ML20906 x SAF (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side, unless outside grip is locked by energizing lock. Latchbolt by key outside when lock is energized. Inside grip always free. Auxiliary latch deadlocks latchbolt.

Fail Secure

The following functions are locked when power is off and unlocked when the power is on.

Outside	Inside	Series/Function	Description
		ML20907 x SEC (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side only when lock is energized. Outside grip locked when lock is not energized. Inside grip always free. Auxiliary latch deadlocks latchbolt.
		ML20915 x SEC (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side only when lock is energized. Both grips locked when lock is not energized. Auxiliary latch deadlocks latchbolt.
		ML20914 x SEC (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side only when lock is energized. Both grips locked when lock is not energized. Latchbolt by key outside when lock is not energized. Auxiliary latch deadlocks latchbolt.
		ML20932 x SEC (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side only when lock is energized. Both grips locked when lock is not energized. Latchbolt by key inside or outside when lock is not energized. Auxiliary latch deadlocks latchbolt.
		ML20906 x SEC (VR) (HS)	<ul style="list-style-type: none"> Latchbolt by grip either side only when lock is energized. Outside grip locked when lock is not energized. Latchbolt by key outside when lock is not energized. Inside grip always free. Auxiliary latch deadlocks latchbolt.

(HS) Indicates function availability in ML2000HS.

(VR) Indicates function available in Vandal Resistant Trim.