ACCURATE

LOCK & HARDWARE

AMERICAN CRAFTED SINCE 1972

CH M9100ELR-SEC

High Security Motor Drive Electrified Latch Retraction Mortise Set

ALLOWS TOUCHLESS ENTRY FOR INFECTION CONTROL FOR BEHAVIORAL HEALTHCARE

HIGH SECURITY MOTOR DRIVE ELECTRIFIED LATCH RETRACTION MORTISE SET

The new CH M9100ELR-SEC utilizes Motor Drive Electrification to retract the latch of the mechanical lock allowing access without grasping exterior door hardware. When paired with Ligature Resistant Crescent Handles, it is an ideal solution within behavioral healthcare facilities. Easily activated with a credential, hospital staff does not need to continually touch door handles.

This electrified solution helps stop the spread of infection by allowing access with a simple push.

M9159ELR-SEC with Rigid Crescent Pull (in case door needs to be pulled closed)

CH M9100ELR-SEC Motor Drive Electrified Latch Retraction

DOOR LOCKED

Door is locked when latch is extended.

DOOR UNLOCKED

When the proximity reader* is activated, latch is retracted to open door.

***Note: Access Control Components by Others.**
CH M9100ELR-SEC set is ideal to pair with a low energy power operator (by others).

CH M9100ELR-SEC Product Benefits

LONGER LIFE

- Adaptable to new technology

SAVE POWER, SAVE MONEY

- A motor drive lock costs significantly less per year to operate at $0.25, compared to a solenoid lock that costs $8.33*

STAY COOL

- Low current draw produces minimal heat eliminating “hot levers”

BE GREEN

- Low power requirement is ideal for environmentally friendly access control systems

SMOOTH OPERATION

- Ample power to overcome sideload on latch.

CH M9159ELR-SEC
INSIDE ACTIVE CRESCENT HANDLE (TO OPPOSE RIGID HANDLE OUTSIDE)

SUPERIOR SAFETY RATINGS

ACCEPTED BY NEW YORK STATE OFFICE OF MENTAL HEALTH PATIENT SAFETY STANDARD

NEW YORK STATE | Office of Mental Health

Lever style trim is not appropriate for high risk areas. It is nearly impossible to completely avoid ligature opportunities with lever style door trim, even if designed to be ligature resistant. At best, lever style door trim is only appropriate for medium and low risk areas.*

ACCEPTED BY OMH

As explained by the **NYS-OMH***

STRONG

9100SEC HIGH SECURITY MORTISE LOCK (SUPPLIED STANDARD)

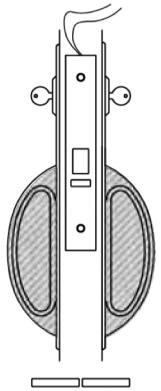
300X STRONGER

- Proven to withstand over 300x more abuse than the Grade 1 requirement*
- Originally developed to resist physical attack & vandalism in detention facilities
- For use in residential entrances, schools/universities, detention centers and healthcare facilities
- Ideal for new and retrofit installations
- Available in all functions and a variety of backsets
- Can be used with a variety of commercial, residential, and specialty trim in a standard ANSI mortise prep
- Conforms to Federal Specification FF-H-106 Series 86/87
- Achieve optimal safety without compromising style

	Standard Mortise Lock	High Security Mortise Lock
Standard Grade 1 Test: [ANSI/BHMA A156.13] 2 blows @60 ft/lbs 2 blows @90ft/lbs 2 blows @120 ft/lbs 2 blows @150 ft/lbs	✓	✓
Detention Grade 1 Test: [ASTM F1577-05] 600 blows @200 ft/lbs in 60 mins		**Latchbolt Only:** 600 blows @200 ft/lbs in 60 mins ✓
		Latchbolt and Deadbolt: *2,400 blows @200 ft/lbs in 4 hours* ✓ ✓ ✓ ✓ **Exceeded passing results by 4X**

***Grade 1 Mortise Locks can be furnished upon request.**

CH M9100ELR-SEC Technical Details



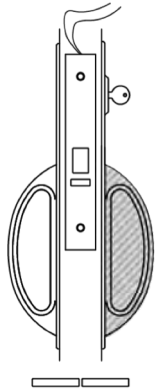
CH M9158ELR-SEC

Latch bolt by key either side.

Inside and outside trim always rigid.

Auxiliary latch deadlocks latch bolt.

FAIL SECURE OPERATION ONLY:
Latch retracts when power is applied.



CH M9159ELR-SEC

Latch bolt by key outside.

Inside trim always free.

Outside trim always rigid.

Auxiliary latch deadlocks latch bolt.

FAIL SECURE OPERATION ONLY:
Latch retracts when power is applied.

CH M9158ELR-SEC/CH M9159ELR-SEC for doors $1^{3}/_{4}$" minimum ($1\ ^{1}/_{4}$" armor front)

UL Listing Pending

Grade 1 Certified to ANSI/BHMA A156.13.2005 Standard

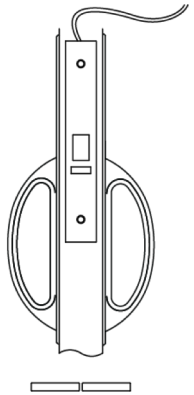
Meets BHMA 156.34 Ligature Resistant Trim Standard

BACKSETS: $2^{3}/_{4}$" standard ($3^{3}/_{4}$", 5" or 6" are available special order)

OPERATION: Key Cylinder (by others) will override electronics to retract latch bolt

24VDC +/-10%
500mA MAX Inrush
200mA MAX Holding
Non-polarized Leads

CH M9100ELR-SEC Technical Details



CH M9125ELR-SEC

Latch bolt by handle either side.

Inside and outside trim always free.

FAIL SECURE OPERATION ONLY:
Latch retracts when power is applied.

CH M9125ELR-SEC for doors $1^{3}/_{4}$" minimum ($1\ ^{1}/_{4}$" armor front)

UL Listing Pending

Grade 1 Certified to ANSI/BHMA A156.13.2005 Standard

Meets BHMA 156.34 Ligature Resistant Trim Standard

BACKSETS: $2^{3}/_{4}$" standard ($3^{3}/_{4}$", 5" or 6" are available special order)

24VDC +/-10%
500mA MAX Inrush
200mA MAX Holding
Non-polarized Leads

CH M9100ELR-SEC Monitoring Function

AE - AUTHORIZED EGRESS

Also referred to as REQUEST TO EXIT (or REX switch), monitors the use of the INSIDE trim when the OUTSIDE trim is locked.

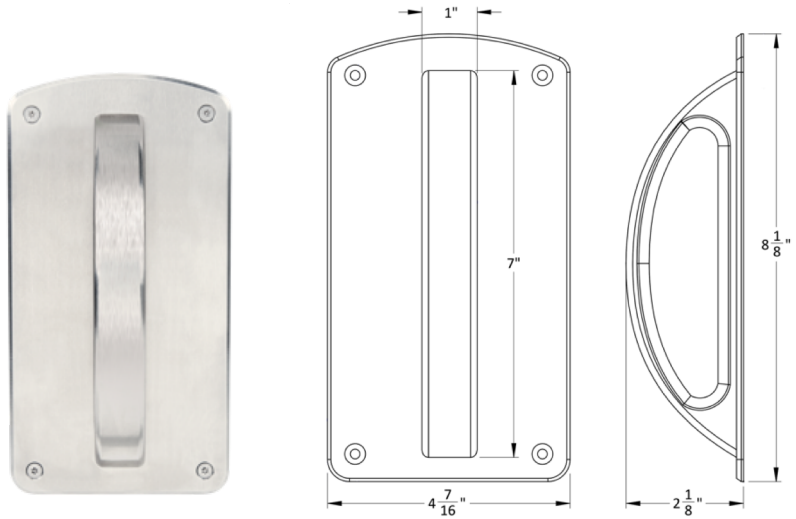
ELECTRICAL SPECIFICATIONS:

SPDT Mechanical switch

Voltage	**Current**
125 VAC	1 AMP
30 VDC	0.5 AMP

CRESCENT TRIM: SMALL PLATE (S.PC)

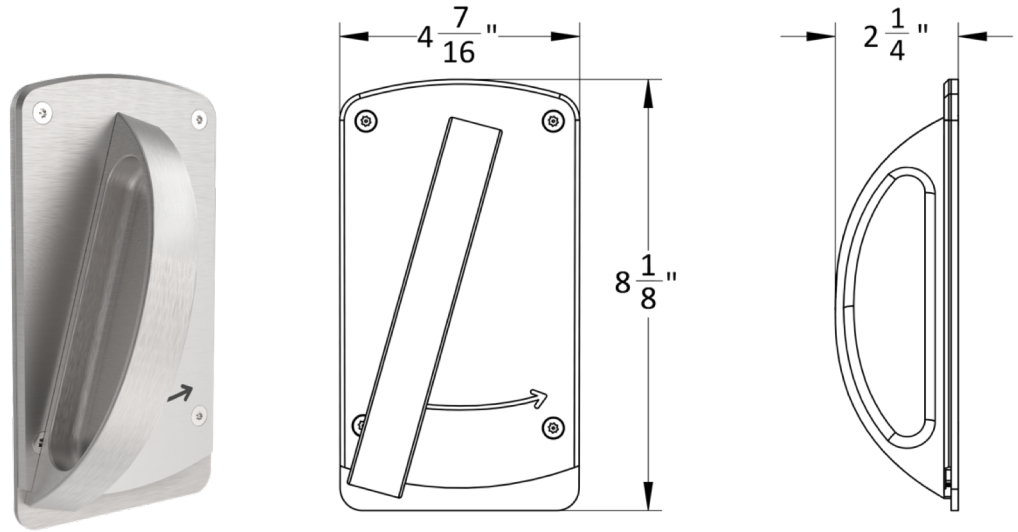
CP-S
SMALL PLATE
(Rigid)



FUNCTIONS:

CH M9158ELR-SEC, CH M9159ELR-SEC

CH-S
SMALL PLATE
(Active)



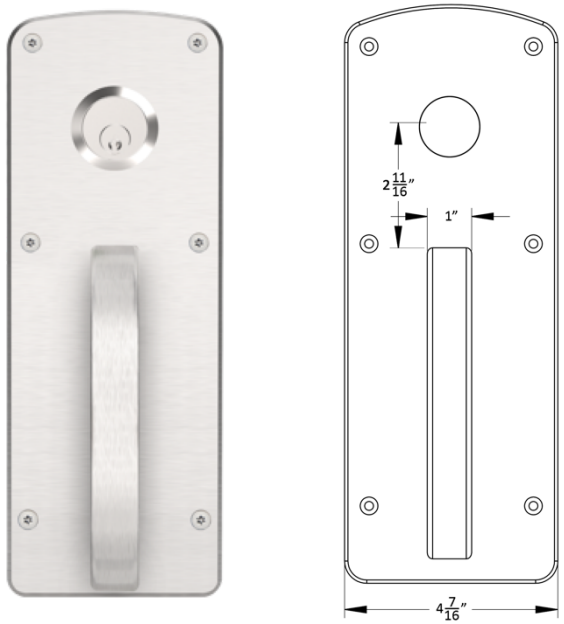
FUNCTIONS:

CH M9159ELR (inside), CH M9125ELR (both sides)

CH TRIM FURNISHED BASED ON LOCK FUNCTION WHEN INDICATING S.PC (SEE HOW TO SPECIFY).
RETROFIT PLATE OPTIONS AVAILABLE UPON REQUEST.

CRESCENT TRIM: LARGE PLATE (L.PC)

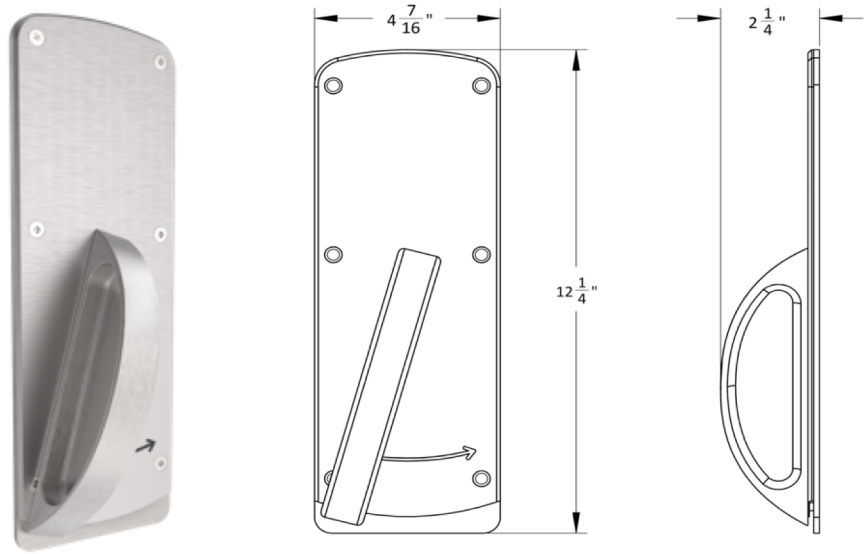
CP-C
CYLINDER CUTOUT
(Rigid Pull)



FUNCTIONS:

CH M9158ELR (both sides), CH M9159ELR (outside)

CH-B
BLANK
(Active Handle)



FUNCTIONS:

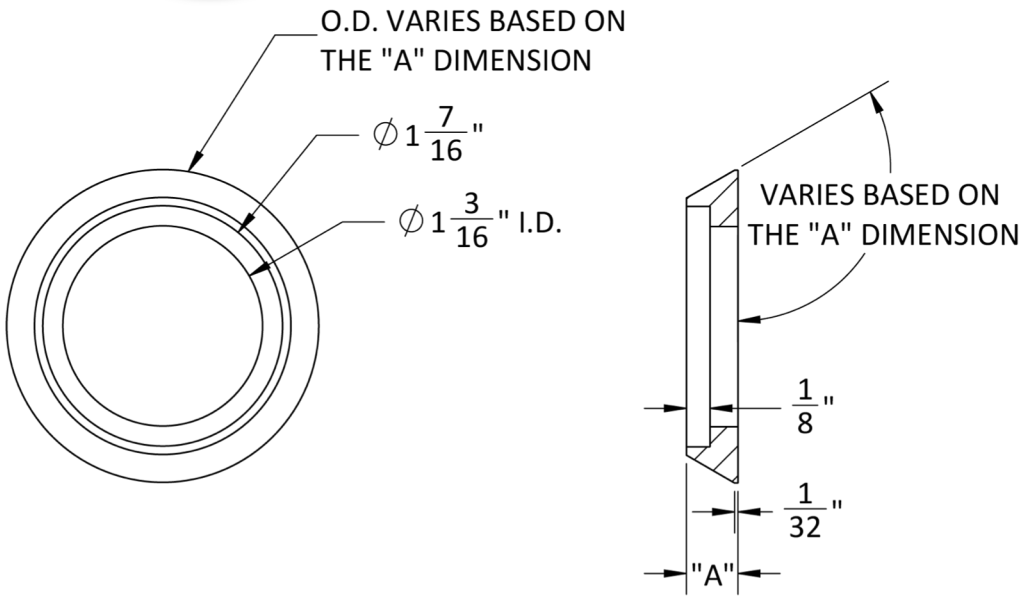
CH M9159ELR (inside), CH M9125ELR (both sides)

CH TRIM FURNISHED BASED ON LOCK FUNCTION WHEN INDICATING L.PC (SEE HOW TO SPECIFY).
RETROFIT PLATE OPTIONS AVAILABLE UPON REQUEST.

LIGATURE RESISTANT CYLINDER COLLARS

FOR CH M9158ELR-SEC | CH M9159ELR-SEC

LRCC



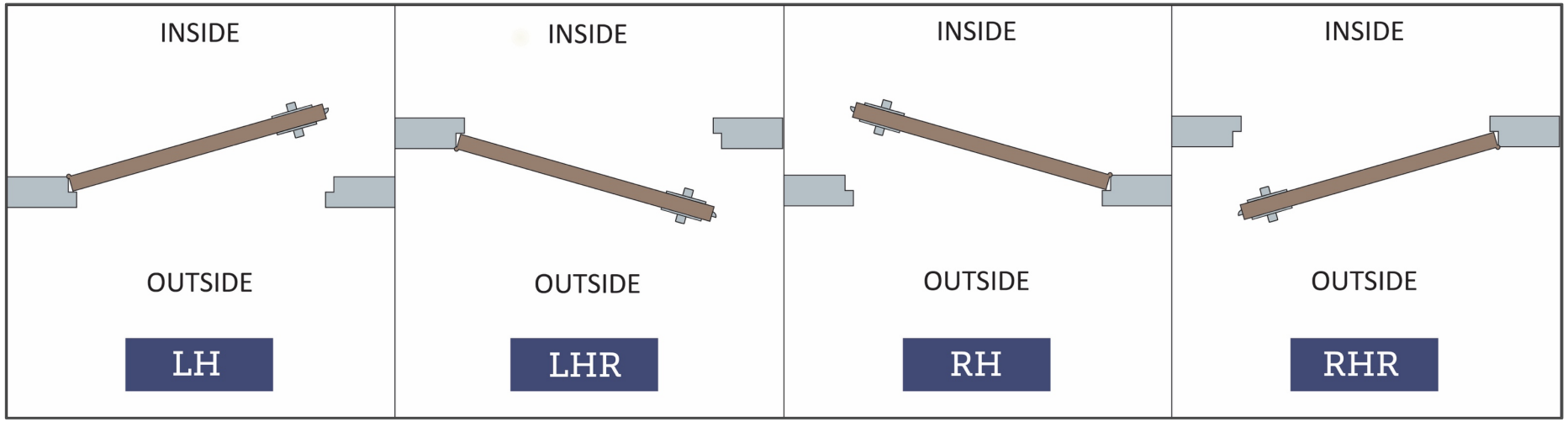
Cylinder Length	P/N (for CH Mortise Sets with Dummy Crescent Plates)*
1 1/8”	LRCC.312
1 ¼”	LRCC.437
1 3/8”	LRCC.562
1 ½”	LRCC.687
OTHER	LRCC.A Indicate required thickness OR specify cylinder length and lockset from list below

*Part numbers/sizes are based on sets for 1 ¾” thick doors, using L-PC style Crescent plates.

SPECIFY LRCC.A AS SPECIAL OPTION BASED ON CYLINDER APPLICATION OR LENGTH (SEE HOW TO SPECIFY).

HOW TO SPECIFY

HANDING

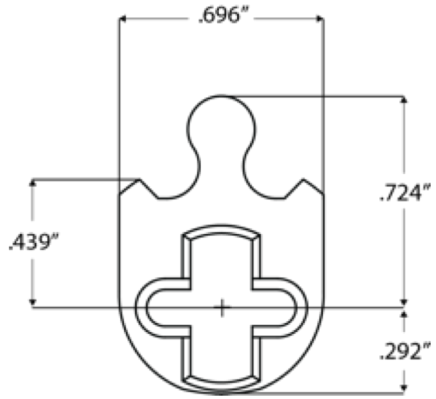


FINISHES

Standard Finish US26D/US32D.

AM anti-microbial coating is available.

Please contact us regarding availability of other finishes.



CYLINDERS & KEYING

CH M9100ELR-SEC Series locks accept any standard American mortise cylinder. For details on required cams and compatibility with other manufacturers' cylinders, please visit: Accurate Support.

HOW TO SPECIFY

CH FUNCTION-SEC-MONITOR.BACKSET.TRIM.FINISH.HAND.134.SPECIAL OPTIONS

Functions
See available functions (pg. 7-8)

SEC (High Security Mortise Lock)
is provided standard with ligature resistant products. *(Omit SEC suffix if Grade 1 lock is desired.)*

Backset
Standard $2^{3}/_{4}$"
($3^{3}/_{4}$", 5", 6" available)

Trim
S.PC – Small Plate
L.PC – Large Plate

Finishes
US26D/US32D
AM Anti-microbial

Special Options
Specify LRCC.A: Ligature Resistant Cylinder Collar ('A' based on cylinder application or length)

EXAMPLES

Crescent Handle | Electrified Latch Retraction| Inside Handle Active | Authorized Egress
E.g.: CH M9159ELR-SEC-AE.234.L.PC.US26D.RH.134

Crescent Handle | Electrified Latch Retraction| Handles Inactive Both Sides | Cylinder Collar ($1^{1}/_{8}$" Cylinder Length)
E.g.: CH M9158ELR-SEC.234.L.PC.US26D.LH.134.LRCC.187

Crescent Handle | Electrified Latch Retraction | Both Handles Active
E.g.: CH M9125ELR-SEC.234.S.PC.US26D.RH.134

Note: Access Control Components by Others.
M9100ELR lock is ideal to pair with a low energy power operator (by others).

11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

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11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1