

**ELECTRIC LOCK MODIFICATION LISTING**

**Note:** If you do not find the lock of your choice listed, please consult with our factory engineering staff. We may request that you send a sample for further evaluation.

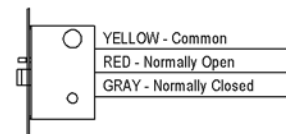
Manufacturer	Mortise Locks	Cylindrical Locks	Unit Locks
Arrow	AM17 BM17	QL82	
Baldwin	6065* 6065LS*		
Best	45H7J*		
Corbin Russwin	2055	3357	UT2557*
Design Hardware	M-05, M-13	Z-84	
Dorma	ML9080*		
Falcon	MA561, MA571	T561	
Hager	3850, 3856	3480	
PDQ	MR148*		
Sargent	8237, 8225	10G04	
Schlage	L9050 L9070 L9080 (see note below) L9453	ND80 ND94*	
Stanley Commercial	QM160*	QCL170	
Tell Manufacturing		LC2486	
Yale	8800, 8847	5405LN	

\* Available in solenoid controlled only

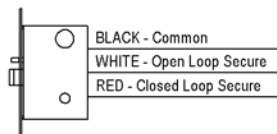
**Note:** Schlage L9080 must be supplied with extra spring cage to compensate for lever sag of outside trim.

**LOCK SCHEMATICS**

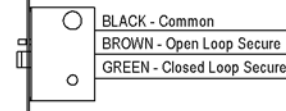
AE - Authorized Egress



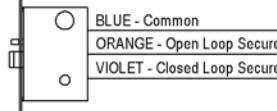
LM - Latchbolt Monitor



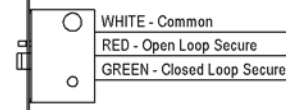
SM - Security Monitor



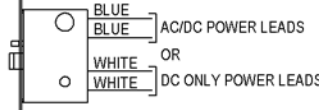
DM - Deadbolt Monitor



DPS - Door Position Sensor

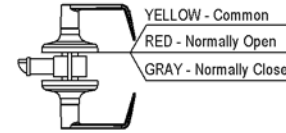


M1510 / M1520 / M1510M / M1520M

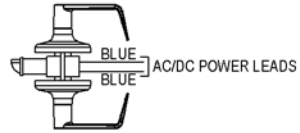


Red ty-wrap on leads designates 12V only.

AE - Authorized Egress



C1510 / C1520 / C1510M / C1520M



Red ty-wrap on leads designates 12V only.

**ELECTRICAL SPECIFICATIONS**

M1510M/M1520M	12/24V	250mA Inrush 10mA Holding
M1510/1520	12VAC/DC 24VAC/DC	612 mA 330 mA
C1510M/C1520M	12/24V	250mA Inrush 10mA Holding
C1510/1520	12VAC/DC 24VAC/DC	250 ma 150 ma
MU1510/1520	12VAC/DC 24VAC/DC	612 ma 330 ma

ACSI 1-800-753-5558

**ELECTRIC LOCK COMPARISON CHART**

ACSI	Arrow	Best	Corbin Russwin	Design Hardware	Dorma	Falcon	Hager	PDQ	Sargent	Schlage	Stanley Commercial	Yale
**M1510M/M1520M-1			20906 20907					MR199A	8270, 8271	L9090EL/EU L9092EL/EU L9094EL/EU		
**M1510M/M1520M-2			20914 20915 20932					MR200	8272, 8273	L9091EL/EU L9093EL/EU L9095EL/EU		
M1510-1	A17-177 B17-177	EWEL	20903 20910	E-M-07-FS	ML9080EL	M851	3880EL		8270	L9080EL		8890
M1510-2		WWEL	20901 20920	E-M-30-FS	ML9082EL	M811			8272	L9082EL		9984-2
M1520-1	A17-178 B17-178	EWEU	20905 20930	E-M-07-FSE	ML9080EU	M881	3880EU		8271	L9080EU		8891
M1520-2		WWEU	20940	E-M-30-FSE	ML9082EU	M821			8273	L9082EU		8895-2
**C1510M/C1520M-1												
C1510-1	Q12-177 H12-177	DEL	33903	E-Z-86-FS	CL880EL	T851	3480EL	GT199FS	10G70	ND80EL	OCL192	5490
C1520-1	Q12-178 H12-178	DEU	33905	E-Z-86-FSE	CL880EU	T881	3480EU	GT199FSC	10G71	ND80EU	OCL194	5491
AE	RE	RQE	M92	REX	RX	RX*	RX	REX	RX	RX	X	REX
LM*	LM*	LS*	M91*	LM*	LM*	LM*	LM*	LM*	LX*	LX*	LX*	LBM*
SM*	SM*		M105*	SM*								
DM*												
DMS*												
DPS*		DS*										

\*\* Motor controlled  
\* Available Mortise Only

Architectural Control Systems Inc. • 2720 Clark Avenue • St. Louis, Missouri 63103 • 1-800-753-5558 • 314-652-5588 • FAX: 314-652-2090 • WWW.ACSI-INC.COM



- MODIFICATIONS TO:
- ARROW
  - BALDWIN
  - BEST
  - CORBIN/RUSSWIN
  - DESIGN HARDWARE
  - FALCON
  - HAGER
  - PDQ
  - SARGENT
  - SCHLAGE
  - STANLEY COMMERCIAL
  - YALE

SERIES 1500 ELECTRIC LOCK CATALOG





**SERIES 1500 ELECTRIC LOCKS**

ACSI supplies high quality UL Listed modifications to a wide range of manufacturers' locksets. Series 1500 electric locks provide safety and security for stairtower doors or controlled areas where both locking and latching are required. The Series 1500 locks allow remote electric locking or unlocking while conforming to life-safety codes. **Series 1500 locks are available in motor controlled or solenoid controlled in both mortise and cylindrical locks.**

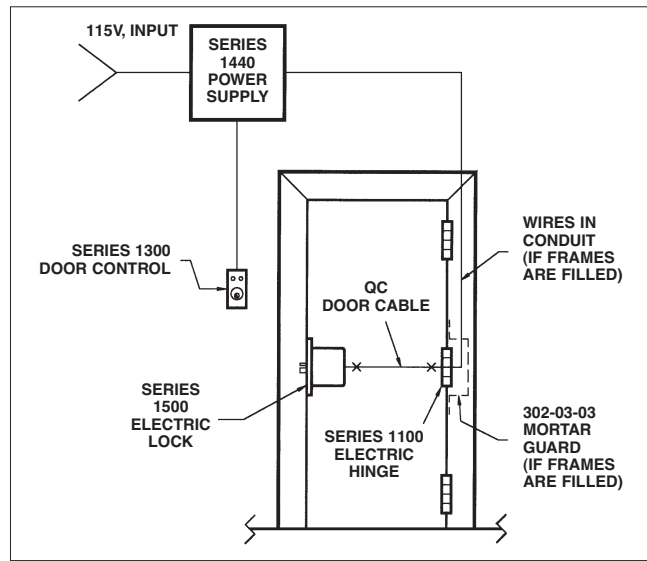
**Features**

- UL Listed
- California State Fire Marshall approved
- Fail-Safe (Power Lock)  
Outside trim is locked when power is applied and unlocked when power is removed (storeroom function when energized). Lockset will unlock in event of power failure (passage function).
- Fail-Secure (Power Unlock)  
Outside trim is unlocked when power is applied and locked when power is removed. Lockset will lock in event of power failure.
  - **Simple user selectable Fail-Safe/Fail-Secure operation in motor controlled locks**
- Continuous duty
- 24VDC, 24VAC, 12VDC, 12VAC operation
  - **Automatic 12V or 24V, AC or DC operating voltage for motor controlled locks.**
- When key cylinders are provided in the locks, the latchbolt may be momentarily retracted with key even though electrically locked. NOTE: Locks that are electrically unlocked may not be locked via the key cylinder.
- Wide variety of monitoring options are available
- Interface with Life-Safety Systems

**Applications**

Doors in stairtowers, offices, classrooms, interlocks, elevator lobbies, laboratories, computer rooms, cashier stations, hospital equipment rooms, pharmaceutical storage rooms.

**Typical Installation**



**HOW TO ORDER**

1 Lock Type	2 Modification Number	3 Options	4 Locking	5 Lock Part No.	6 Operating Voltage	7 Quick Connect Cable	8 Handing
M	1520M	AE	1	Full	12/24V	QC1	RH
C	1510M	LM	2	Part	24VDC	QC2	LH
MU	1520	SM		Number	24VAC/DC	QC3	RHR
	1510	DM			12VDC		LHR
	1500	DMS			12VAC/DC		
		DPS					
Example:							
M	1520M	AE	1	L9070 (Schlage)	12/24V	QC3	RH

**1. Lock Type** (Select type of lock to be modified)

Model	Description
M	Mortise Lock
C	Cylindrical Lock
MU	Unit Lock

**2. Modification Number**

(Select type of modification required)

Model	Description
1520M*	Fail-Secure Motor Control
1510M*	Fail-Safe Motor Control
1520	Fail-Secure Control
1510	Fail-Safe Control
1500	Monitor Only

\*Factory ships Fail-Secure as default (unless specified Fail-Safe). Field selectable to Fail-Safe.

**HOW TO ORDER (cont.)**

**3. Options**

Model	Description
AE	<b>Authorized Egress (Mortise or Cylindrical Lock)</b> Monitors the activation of the INSIDE trim. The AE switch can be used to: • Shunt a door alarm to allow egress • Signal a control console when the trim is activated • Activate a door alarm • Control an electromagnetic lock for egress
LM	<b>Latchbolt Monitor (Mortise Lock)*</b> • Monitors the full extension of the main latch.
SM	<b>Security Monitoring (Mortise Lock)*</b> • Monitors, in series, the motor/solenoid status (locked or unlocked) and the latch status (deadlatch position).
DM	<b>Deadbolt Monitor (Mortise Lock)*</b> • Monitors the extension of the deadbolt.
DMS	<b>Deadbolt Monitor Secured (Mortise Lock)*</b> • Monitors the motor/solenoid so that when the deadbolt is extended by key or thumb turn, the motor/solenoid control is disabled and secures the outside lever in the locked position. Retracting the deadbolt will enable the motor/solenoid to unlock the outside lever. Free egress at all times. Fail-secure control only. • Uses include private rooms, restrooms, lactation rooms. • Consult factory for models available.
DPS	<b>Door Position Sensor (Mortise Lock)*</b> • Door position sensor monitors the door position. A magnetic sensor mounted in the mortise lock reacts to the proximity of a magnet mounted in the ASA strike. (Strike not included) • Consult Factory for Models Available
MK-10	<b>Authorized Egress Kit</b> • Field installable for Schlage L series mortise lock

\* Not available on cylindrical locks or unit locks.

**4. Locking**

Model	Description
1	Standard control locks outside (secure side) trim.
2	Locks both sides – Mortise locks only.

**5. Lock Part No.**

Distributors supply ACSI with mortise, cylindrical, or unit locks for modification. Please supply the lock manufacturer's part number.

Example: L9070, 8237, 8808, ND80, 3357, etc.

**Note:** Refer to the last page of this catalog section for a complete listing of locks required by ACSI.

**6. Operating Voltage**

Model	Description
12/24V	Motor Controlled Locks, automatic 12V or 24V, AC or DC operating voltage
24VDC	Solenoid Controlled Locks
24VAC/DC	Solenoid Controlled Locks
12VDC	Solenoid Controlled Locks
12VAC/DC	Solenoid Controlled Locks

**Note:** Mortise locks can be supplied with pneumatic control. Consult factory.

**7. Quick Connect Cable**

Model	Description
QC1	ACSI Quick Connect System
QC2	ASSA ElectroLynx® System
QC3	Allegion Connect System

**8. Handing**

Model	Description
RH	Right Hand
LH	Left Hand
RHR	Right Hand Reverse
LHR	Left Hand Reverse

**ACCESSORIES**

Model	Description
1580-1	AC/DC Converter
1580-2	Voltage Regulator <ul style="list-style-type: none"> <li>• Regulates source voltages up to 30 volts DC (35 volts AC) to a 24VDC output level.</li> <li>• Works with AC or DC source voltages</li> <li>• Can be used with 24VAC/DC rated cylindrical or mortise locks up to 360MA.</li> <li>• UL Listed</li> </ul>

**ELECTRIC MORTISE LOCK BODIES**

**ACSI Stocks Electric Mortise Lock Bodies** available in Schlage, Corbin Russwin, Sargent, Yale, Best, Falcon, and Dorma. The locks are available with motor control or solenoid control. Motor controlled locks are field selectable for fail-safe or fail-secure and have automatic 12V or 24V, AC or DC operation. Solenoid controlled locks must be specified as fail-safe or fail-secure and 12VAC/DC or 24VAC/DC. A variety of monitoring options are available.

Model	Mortise Lock Body
M1510M L9070B 12/24V	Schlage Fail-Safe
M1510M 2055B 12/24V	Corbin Fail-Safe
M1510M 8237B 12/24V	Sargent Fail-Safe
M1510M 8808B 12/24V	Yale Fail-Safe
M1510M MA561B 12/24V	Falcon Fail-Safe
M1520M L9070B 12/24V	Schlage Fail-Safe
M1520M 2055B 12/24V	Corbin Fail-Safe
M1520M 8237B 12/24V	Sargent Fail-Safe
M1520M 8808B 12/24V	Yale Fail-Safe
M1520M MA561B 12/24V	Falcon Fail-Safe
M1510 L9070B 24VAC/DC	Schlage Fail-Safe
M1510 2055B 24VAC/DC	Corbin Russwin Fail-Safe
M1510 8237B 24VAC/DC	Sargent Fail-Safe
M1510 8808B 24VAC/DC	Yale Fail-Safe
M1510 45H7RB 24VAC/DC	Best Fail-Safe
M1510 MA561B 24VAC/DC	Falcon Fail-Safe
M1510 ML9070B 24VAC/DC	Dorma Fail-Safe
M1520 L9070B 24VAC/DC	Schlage Fail-Secure
M1520 2055B 24VAC/DC	Corbin Russwin Fail-Secure
M1520 8237B 24VAC/DC	Sargent Fail-Secure
M1520 8808B 24VAC/DC	Yale Fail-Secure
M1520 45H7RB 24VAC/DC	Best Fail-Secure
M1520 MA561B 24VAC/DC	Falcon Fail-Secure
M1520 ML9070B 24VAC/DC	Dorma Fail-Secure

**ELECTRIC CYLINDRICAL LOCKS**

**ACSI Stocks Electric Cylindrical Locks** available in Schlage, Corbin Russwin, Sargent and Yale. The locks are available with motor control or solenoid control. Motor controlled locks are field selectable for fail-safe or fail-secure and have automatic 12V or 24V, AC or DC operation. Solenoid controlled locks must be specified as fail-safe or fail-secure and 12VAC/DC or 24VAC/DC. Authorized Egress (Request-to-Exit) option is also available.

Model	Cylindrical Lock
C1510M ND80B 12/24V	Schlage Fail-Safe
C1520M ND80B 12/24V	Schlage Fail-Secure
C1510 ND80B 24VAC/DC	Schlage Fail-Safe
C1520 ND80B 24VAC/DC	Schlage Fail-Secure

**Note:** Specify trim style, format and finish. Available in Rhodes, Sparta and Athens trim style. Finishes available in 626, 625 and 613.

C1510M 10G04B 12/24V	LL	Sargent Fail-Safe
C1510M 3357B 12/24V	NZD	Corbin Fail-Safe
C1510M 5405LNB 12/24V	AU	Yale Fail-Safe
C1520M 10G04B 12/24V	LL	Sargent Fail-Secure
C1520M 3357B 12/24V	NZD	Corbin Fail-Secure
C1520M 5405LNB 12/24V	AU	Yale Fail-Secure
C1510 10G04B 24VAC/DC	LL	Sargent Fail-Safe
C1510 3357B 24VAC/DC	NZD	Corbin Fail-Safe
C1510 5405LNB 24VAC/DC	AU	Yale Fail-Safe
C1520 10G04B 24VAC/DC	LL	Sargent Fail-Secure
C1520 3357B 24VAC/DC	NZD	Corbin Fail-Secure
C1520 5405LNB 24VAC/DC	AU	Yale Fail-Secure