

Series 1500

Electric Locks

Schlage

Corbin Russwin

Sargent

Yale

BEST

Hager

DormaKaba Commercial Hardware

PDQ

Falcon

Arrow

Design Hardware

Tell

Baldwin

and more

ACSI

2720 Clark Avenue
St. Louis, MO 63103
(314) 652-5588
(314) 652-2090 FAX

www.acsi-inc.com

1-800-753-5558



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 and/or motorized latch retraction while conforming to life-safety codes. Series 1500 locks are available in motor-controlled or solenoid-controlled in both mortise and cylindrical locks. Consult factory for solenoid-controlled locks.

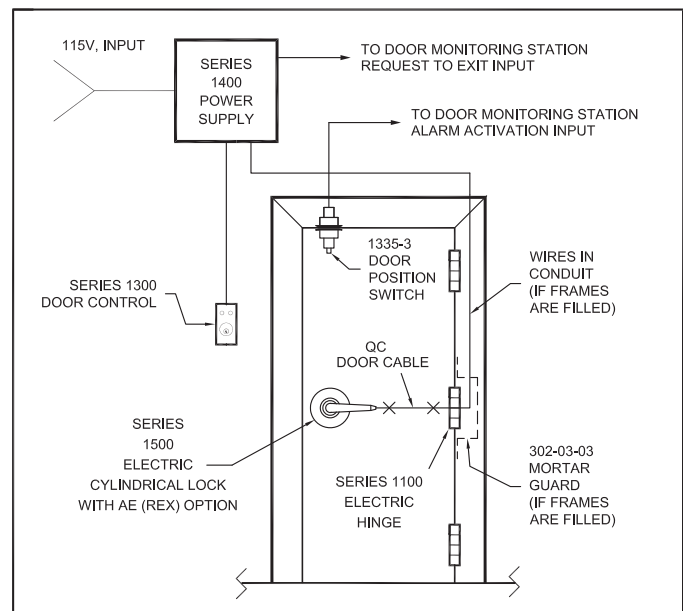
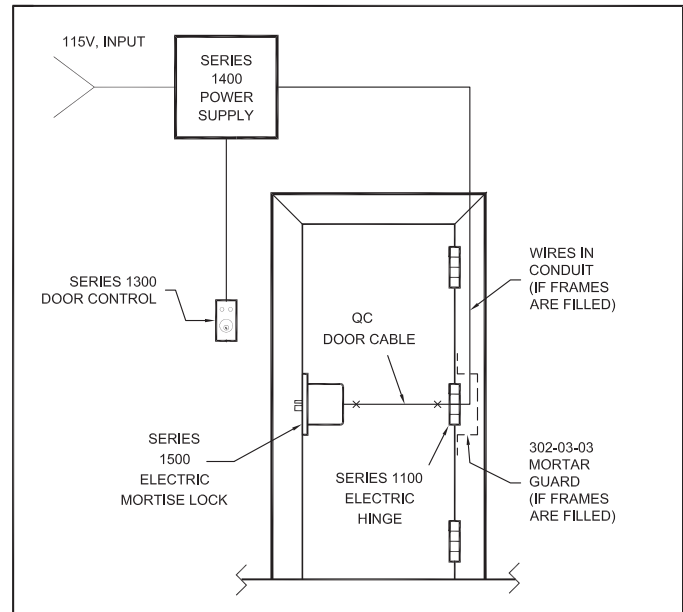
Features

- 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 the event of a 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 the event of a power failure.
- 1500MLR-Motor Drive Latch Retraction
 - Outside trim (or both outside and inside trim depending on the lock function) is locked. The main latch bolt is retracted when power is applied. The main latch bolt is extended in the event of a power failure.
- Simple user selectable fail safe/fail secure operation in motor-controlled locks
- Continuous duty rated
- Low power consumption
- 24VDC, 24VAC, 12VDC or 12VAC operation
- When key cylinders are provided in the locks, the latch bolt 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



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How to Order

1 LOCK TYPE	2 MODIFICATION #	3 OPTIONS	4 LOCKING	5 LOCK PART #	6 OPERATING VOLTAGE	7 QUICK CONNECT SYSTEM	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		
	1500MLR	DPS					
	1520MLR	LMR					
	1510MLR						

Example:

LOCK TYPE	MODIFICATION #	OPTIONS	LOCKING	LOCK PART #	OPERATING VOLTAGE	QUICK CONNECT CABLE	HANDING
M	1520M	AE	1	L9070 (SCHLAGE)	12/24V	QC3	RH

1. Lock Type

(Select type of lock to be modified) LIST PRICE

M	Mortise Lock	STD
C	Cylindrical Lock	+\$30
MU	Unit Lock	+\$300

2. Modification Number

(Select type of lock to be modified) LIST PRICE

1520M	Fail Secure Motor-Controlled*	\$300
1510M	Fail Safe Motor-Controlled*	\$300
1520	Fail Secure Solenoid-Controlled	\$300
1510	Fail Safe Solenoid-Controlled	\$300
1500MLR	Latch Retraction	\$1,300
M1520MLR	Latch Retraction/Fail Secure Motor-Controlled	\$1,600
M1510MLR	Latch Retraction/Fail Safe Motor-Controlled	\$1,600
1500	Monitor Only	See Options

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

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Series 1500 | Electric Locks

How to Order (Cont.)

3. Options LIST PRICE		
AE	Authorized Egress (Mortise or Cylindrical Lock) Monitors the use of the INSIDE trim when the OUTSIDE trim is locked. The AE switch can be used to: <ul style="list-style-type: none"> • 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 	\$150
LM	Latch Bolt Monitor (Mortise Lock) Monitors the full extension of the main latch.	\$150
SM	Security Monitoring (Mortise Lock) Monitors the locked or unlocked status and the dead latch status in series.	\$280
DM	Deadbolt Monitor (Mortise Lock) Monitors the full extension of the deadbolt.	\$260
DMS	Deadbolt Monitor Secured (Mortise Lock) Monitors the full extension of the deadbolt disabling the electrical control of a fail secure lockset locking the OUTSIDE trim. Retracting the deadbolt enables the electrical control. Free egress at all times. <ul style="list-style-type: none"> • Uses include private rooms, restrooms, and lactation rooms. 	\$260
DPS	Door Position Sensor (Mortise Lock) Monitors the door position. A magnetic sensor mounted in the mortise lock reacts to the proximity of a magnet mounted behind the ASA strike.	\$200
AM	Auxiliary Latch Monitor (Mortise Lock) Monitors the position of the dead latch.	\$150
LB	Locking Bar Monitor (Mortise Lock) Monitors the position of the locking bar.	\$150
KM	Key Cylinder Monitor (Mortise Lock) Monitors the use of a key for retracting the latch.	\$150
LMR	Latch Bolt Monitor Retracted (Mortise Lock with MLR) Monitors the full retraction of the main latch. A dry contact closure will occur 0.5 seconds after the full retraction of the main latch bolt under power and will remain until power is removed or if the main latch bolt unintentionally extends.	\$180
MK-10	Authorized Egress Kit Field installable for Schlage L series mortise lock.	\$90

4. Locking LIST PRICE		
1	Standard control locks outside (secure side) trim.	STD
2	Locks both sides – mortise locks only.	\$40

5. Lock Part No. LIST PRICE

Distributors supply ACSI with mortise, cylindrical or unit locks for modification. Please supply the lock manufacturer's full 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 LIST PRICE		
12/24V	Motor-Controlled Locks, automatic 12V or 24V, AC or DC operating voltage	STD
24VDC	Solenoid-Controlled Locks	\$100
24VAC/DC	Solenoid-Controlled Locks	\$100
12VDC	Solenoid-Controlled Locks	\$200
12VAC/DC	Solenoid-Controlled Locks	\$200

Note: For Solenoid-Controlled locks consult factory.

7. Quick Connect System LIST PRICE		
QC1	ACSI Quick Connect System	\$60
QC2	ASSA Connect System	Consult Factory
QC3	Allegion Connect System	Consult Factory

8. Handing LIST PRICE		
RH	Right Hand	STD
LH	Left Hand	STD
RHR	Right Hand Reverse	STD
LHR	Left Hand Reverse	STD

Series 1500 | Electric Locks

Electric Mortise Lock Bodies

ACSI Stocks Electric Mortise Lock Bodies available in Schlage, Corbin Russwin, Sargent, Yale, BEST and Falcon are available as motor-controlled. Motor-controlled locks are field selectable for fail safe or fail secure and have automatic 12V or 24V, AC or DC operation. ACSI 1500MLR motorized latch retraction is available in Schlage L9070B and also available in 1520MLR, 1510MLR for dual latch retraction and lock/unlock features. A variety of monitoring options are available. Consult factory for solenoid-controlled locks.

Motor-Controlled				LIST PRICE
M1510M	L9070B	12/24V	Schlage Fail Safe	\$920
M1510M	L9453B	12/24V	Schlage Deadbolt Fail Safe	\$1,200
M1510M	2055B	12/24V	Corbin Russwin Fail Safe	Consult Factory
M1510M	8237B	12/24V	Sargent Fail Safe	Consult Factory
M1510M	8808B	12/24V	Yale Fail Safe	Consult Factory
M1510M	MA561B	12/24V	Falcon Fail Safe	Consult Factory
M1520M	L9070B	12/24V	Schlage Fail Secure	\$920
M1520M	L9453B	12/24V	Schlage Deadbolt Fail Secure	\$1,200
M1520M	2055B	12/24V	Corbin Russwin Fail Secure	Consult Factory
M1520M	8237B	12/24V	Sargent Fail Secure	Consult Factory
M1520M	8808B	12/24V	Yale Fail Secure	Consult Factory
M1520M	MA561B	12/24V	Falcon Fail Secure	Consult Factory
M1500MLR	L9070B	24VDC	Schlage Latch Retraction	\$1,850
M1510MLR	L9070B	24VDC, 12/24V	Schlage Latch Retraction/ Fail Safe	\$2,150
M1520MLR	L9070B	24VDC, 12/24V	Schlage Latch Retraction/ Fail Secure	\$2,150

Solenoid-Controlled				LIST PRICE
M1510	L9070B	24VAC/DC	Schlage Fail Safe	Consult Factory
M1510	2055B	24VAC/DC	Corbin Russwin Fail Safe	Consult Factory
M1510	8237B	24VAC/DC	Sargent Fail Safe	Consult Factory
M1510	8808B	24VAC/DC	Yale Fail Safe	Consult Factory
M1510	45H7RB	24VAC/DC	Best Fail Safe	Consult Factory
M1510	MA561B	24VAC/DC	Falcon Fail Safe	Consult Factory
M1520	L9070B	24VAC/DC	Schlage Fail Secure	Consult Factory
M1520	2055B	24VAC/DC	Corbin Russwin Fail Secure	Consult Factory
M1520	8237B	24VAC/DC	Sargent Fail Secure	Consult Factory
M1520	8808B	24VAC/DC	Yale Fail Secure	Consult Factory
M1520	45H7RB	24VAC/DC	Best Fail Secure	Consult Factory
M1520	MA561B	24VAC/DC	Falcon Fail Secure	Consult Factory



Sargent M1520M



Corbin M1520M



Schlage M1520M



Yale M1520M



Falcon M1520M



BEST M1520

Electrical Specifications

M1510M / M1520M

- 12/24V, 250mA Inrush, 10mA Holding

M1510 / M1520

- 12VAC/DC, 612mA
- 24VAC/DC, 330mA

MU1510 / MU1520

- 12VAC/DC, 612mA
- 24VAC/DC, 330mA

M1500MLR

- 24VDC, 625mA Inrush, 150mA Holding

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Series 1500 | Electric Locks

Electric Cylindrical Locks

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

Motor-Controlled						LIST PRICE
C1510M*	ND70B	12/24V			Schlage Fail Safe	\$900
C1510M	10G04B	12/24V	LL	626	Sargent Fail Safe	Consult Factory
C1510M	3357B	12/24V	NZD	626	Corbin Russwin Fail Safe	Consult Factory
C1510M	5405LNB	12/24V	AU	626	Yale Fail Safe	Consult Factory
C1520M*	ND70B	12/24V			Schlage Fail Secure	\$900
C1520M	10G04B	12/24V	LL	626	Sargent Fail Secure	Consult Factory
C1520M	3357B	12/24V	NZD	626	Corbin Russwin Fail Secure	Consult Factory
C1520M	5405LNB	12/24V	AU	626	Yale Fail Secure	Consult Factory

* Specify trim style, format and finish. Available in Rhodes, Sparta and Athens trim style.
 Finishes available in 626, 625 and 613. Add \$60 list for 613 finish. Add \$60 list for HD, RD, TD.

Electrical Specifications

C1510M / C1520M

- 12/24V, 250mA Inrush, 10mA Holding



Sargent C1520M



Schlage C1520



Yale C1520M



Corbin C1520M

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Series 1500 | Electric Locks

Electric Lock Comparison Chart

ACSI	ARROW	BEST	CORBIN RUSSWIN	DESIGN HARDWARE	FALCON
M1510M/M1520M-1**			20906, 20907	E-M-07-FS/FSE	
M1510M/M1520M-2**			20914, 20915, 20932	E-M-30-FS/FSE	
M1510-1	A17-177, B17-177	EWEL	20903, 20910	E-M-07-FS	M851
M1510-2		WWEL	20901, 20920	E-M-30-FS	M811
M1520-1	A17-178, B17-178	EWEU	20905, 20930	E-M-07-FSE	M881
M1520-2		WWEU	20940	E-M-30-FSE	M821
C1510M/C1520M-1**				E-Z-86-FS/FSE	
C1510-1	Q12-177, H12-177	DEL	33903	E-Z-86-FS	T851
C1520-1	Q12-178, H12-178	DEU	33905	E-Z-86-FSE	T881
AE	RE	RQE	M92	REX	RX*
LM*	LM*	LS*	M91*	LM*	
SM*	SM*		M105*	SM*	
DM*					
DMS*					
DPS*		DS*			

**Motor-controlled

*Available in Mortise only

ACSI	HAGER	PDQ	SARGENT	SCHLAGE	DormaKaba Commercial Hardware	YALE
M1510M/M1520M-1**	3880EL/EU	MR199A**	8270, 8271	L9090EL/EU L9092EL/EU L9094EL/EU		
M1510M/M1520M-2**		MR200	8272, 8273	L9091EL/EU L9093EL/EU L9095EL/EU		
M1510-1	3880EL		8270	L9080EL		8890
M1510-2			8272	L9082EL		9984-2
M1520-1	3880EU		8271	L9080EU		8891
M1520-2			8273	L9082EU		8895-2
C1510M/C1520M-1**	3480EL/EU			ND80EL/EU		
C1510-1	3480EL	GT199FS	10G70	ND80EL	QCL192	5490
C1520-1	3480EU	GT199FSC	10G71	ND80EU	QCL194	5491
AE	RX	REX	RX	RX	X	REX
LM*	LM*	LM*	LX*	LX*		LBM*
SM*						
DM*			DX*			
DMS*			DX*			
DPS*	DPM*					

**Motor-controlled

*Available in Mortise only

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Series 1500 | Electric Locks

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.

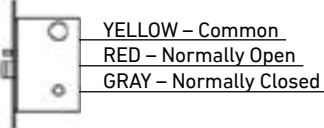
Manufacturer	Mortise Locks	Cylindrical Locks	Unit Locks
Arrow	AM17, BM17	QL82	
Baldwin	6065*, 6065LS*		
Best	45H7R*		
Corbin Russwin	2055	3357	UT15257
Design Hardware	M-05, M-13	Z-84	
Falcon	MA561, MA571	T561	
Hager	3850, 3856	3480	
PDQ	MR148*		
Sargent	8237, 8225	10G04	
Schlage	L9050, L9070 L9080** (see note below), L9453	ND70, ND80 ND94	
DormaKaba	QM160*	QCL170	
Tell Manufacturing		LC2486	
Yale	8800, 8847	5405LN	

*Available in solenoid-controlled only

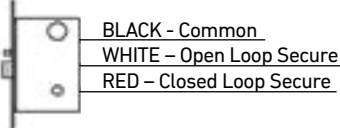
**Schlage L9080 must be supplied with extra spring cage to compensate for lever sag of outside trim.

Lock Schematics

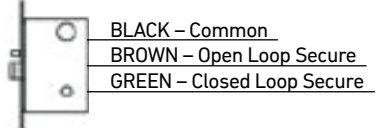
AE – Authorized Egress



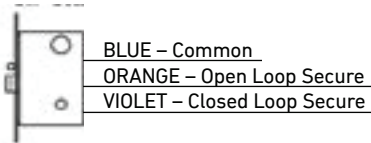
LM – Latch Bolt Monitor



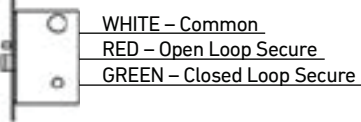
SM – Security Monitoring



DM – Deadbolt Monitor

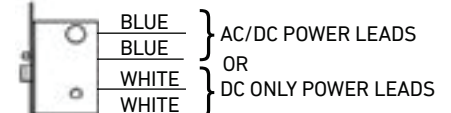


DPS – Door Position Sensor

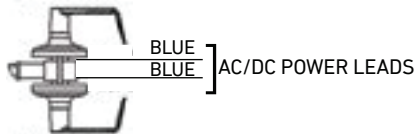


M1510 / M1520 / M1510M / M1520M

DMS – Deadbolt Monitor Secured

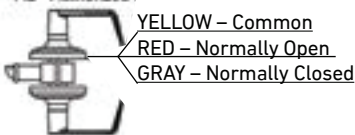


C1510 / C1520 / C1510M / C1520M



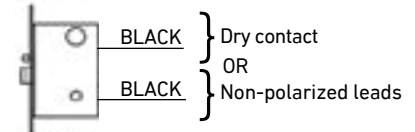
Red ty-wrap on leads designates 12V only.

AE – Authorized Egress



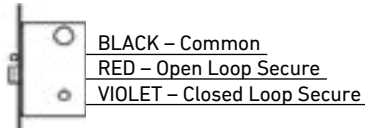
1500MLR

LMR - latch bolt monitor retracted

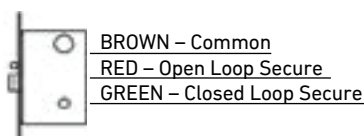


Red ty-wrap on leads designates 12V only.

AM – Auxiliary Latch Monitor



LB – Locking Bar Monitor



KM – Key Retraction Monitor

