



ACSI Series 1500 Electric Locks



ACSI supplies high quality UL Listed modifications to a wide range of manufacturer's 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.

Features

- UL Listed Modifications
- 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.
- Continuous duty solenoids.
- 24VDC, 24VAC, 12VDC, 12VAC or pneumatic operation.
- 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.*
- Interface with Life-Safety Systems.
- In addition to ACSI, Schlage, Yale and Arrow, we can also provide locksets by Corbin Russwin, Marks and other manufacturers.

Options

- Security Monitoring (SM)—this option monitors, in series, solenoid status (locked or unlocked) and latch status (dead-latch position).
- Authorized Egress (AE)—ACSI Authorized Egress is a SPDT switch which 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 and control an electromagnetic lock for egress.
- Latch Bolt Monitor (LM)—Latch bolt monitoring is a SPDT switch which monitors the full extension of the main latch.

Applications

Stairtower doors, office doors, classrooms, interlocks, elevator lobby doors, laboratories, computer rooms, cashier stations, hospital equipment rooms, pharmaceutical storage rooms.

Electrical Specifications

| | | |
|--------------|----------------------|------------------|
| M1510/1520 | 12VAC/DC 24VAC/DC | 612 ma 330 ma |
| C1510/1520 | 12VAC/DC 24VAC/DC | 250 ma 150 ma |
| MU1510*/1520 | 12VAC/DC 24VAC/DC | 612 ma 330 ma |
| M1550 | 24VDC | 1.5 amps |

*Unit Lock

- M1510C-00-1—Mortise lock, fail safe, solenoid inside lock, standard control-locks outside trim.
- M1510C-00-2—Mortise lock, fail safe, solenoid inside lock, both sides locked.
- M1520C-00-1—Mortise lock, fail secure, solenoid inside lock, standard control-locks outside trim.
- M1520C-00-2—Mortise lock, fail secure, solenoid inside lock, both sides locked.
- C1510C-00-1—Cylindrical lock, fail safe, solenoid inside lock, standard control-locks outside trim.
- C1520C-00-1—Cylindrical lock, fail secure, solenoid inside lock, standard control-locks outside trim.

Modification Listing

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

| MANUFACTURER | MORTISE LOCKS | CYLINDRICAL LOCKS | UNIT LOCKS |
|----------------|--------------------------------|----------------------------------|------------|
| ACCURATE | 9100 | | |
| ARROW | A17, B17 | H12 | |
| BALDWIN | 6065, 6065LS | | |
| BEST | 34H7J, 35H7J | 83K7D | |
| CORBIN RUSSWIN | ML2255, ML2257, ML2224 | CL3457 | UT5257 |
| FALCON | ML561 | | |
| PDQ | ML148 | SP116 | |
| SARGENT | 7737, 8137 8237 | 10G04 | |
| SCHLAGE | L9050 L9070 L9080*, 9453 | D80 Rhodes (Lever) D53 (Knob) | |
| YALE | 8708 | | |

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



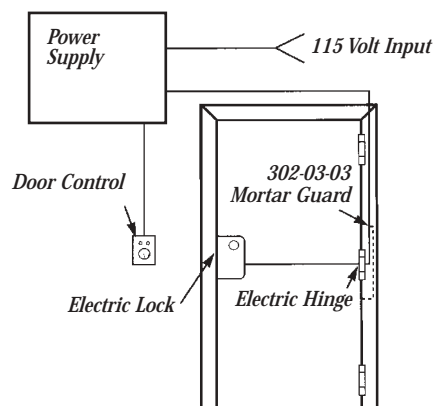
ARCHITECTURAL CONTROL SYSTEMS, INC.

Electric Hinges

ACSI Series 1500 Electric Lock Comparison Chart

| ACSI | CORBIN/ RUSSWIN | SCHLAGE | YALE | SARGENT |
|-------------|--------------------|---------|------------------|--------------------|
| M1510C-00-1 | ML22903 ML22910 | L9080EL | 8790 8690 | 18-7770 18-8170 |
| M1510C-00-2 | ML22901 ML22920 | | 8794-2 8694-2 | 18-7772 18-8172 |
| M1520C-00-1 | ML22905 ML22930 | L9080EU | 8791 8691 | 18-7771 18-8171 |
| M1520C-00-2 | ML22904 ML22940 | | 8795-2 8695-2 | 18-7773 18-8173 |
| C1510C-00-1 | CL34903 | D80PDEL | | 10G70 |
| C1520C-00-1 | CL34905 | D80PDEU | | 10G71 |

Typical Installation



ACSI Series 1100 Electric Hinges/Pivots

ACSI Series 1100 products are designed for doors that require concealed low voltage current transfer, concealed electronic monitoring or concealed low voltage current transfer with monitoring. ACSI Series 1100 products are UL listed and carry a one-year manufacturer warranty.



Features

- UL Listed
- Provide current transfer to electrified mortise or cylindrical locks, exit devices with electric latch retraction, electric strikes (pairs of doors) and locks with monitoring or request to exit switches.
- Standard weight or heavy weight models.
- Steel, brass or stainless steel hinges
- Available in five knuckle and three knuckle hinges.
- All architectural finishes in sizes 4" x 4" through 6" x 6".
- In addition to ACSI, Rixson and Hager hinges, we also can provide hinges by Stanley, McKinney, Bommer, Glynn Johnson and other manufacturers on a special order basis.

Electrical Specifications

Concealed electric through-wire: 50 volts AC/DC @ 1 amp
 Concealed electric monitor: 30 VDC @ .5 amps

Models Available

| MODEL | HINGE MODIFICATION DESCRIPTION |
|---------|--|
| 1104* | Concealed electric through-wire (4 wire) |
| 1106 | Concealed electric through-wire (6 wire) |
| 1108* | Concealed electric through-wire (8 wire) |
| 1100-10 | Concealed electric through wire (10 wire) |
| 1110 | Concealed electric monitor |
| 1114 | Concealed electric through-wire and monitor (4 wire) |
| 1116 | Concealed electric through-wire and monitor (6 wire) |
| 1118 | Concealed electric through-wire and monitor (8 wire) |
| 1120 | Air transfer |

* Available in pivot modification

NOTE:

- Electric hinge must be placed in the center position only.
- Hinge pin is not field removable after modification.
- ACSI part no. 302-03-03 mortar guard is required for all applications with grout-filled frames. Failure to install the mortar guard will void the electric hinge warranty.

Comparison Chart

| ACSI | STANLEY | HAGER | McKINNEY |
|------|---------|-------|----------|
| 1104 | CE-4 | ETW-4 | CC-4 |
| 1106 | CE-6 | ETW-6 | CC-6 |
| 1108 | CE-8 | ETW-8 | CC-8 |
| 1110 | CS | EMN | CS |
| 1114 | CECS-4 | ETM-4 | CSCC-4 |
| 1116 | CECS-6 | ETM-6 | CSCC-6 |
| 1118 | CECS-8 | ETM-8 | CSCC-8 |