

**GEMINI LOCK MODIFICATION LISTING** (INDICATES LOCK SETS THAT ARE UL LISTED)

**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.

| Arrow | Corbin Russwin | Schlage |
|-------|----------------|---------|
| AM17  | 2055           | L9050   |
| BM17  |                | L9070   |
|       |                | L9080*  |

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

**GEMINI COMPARISON CHART**

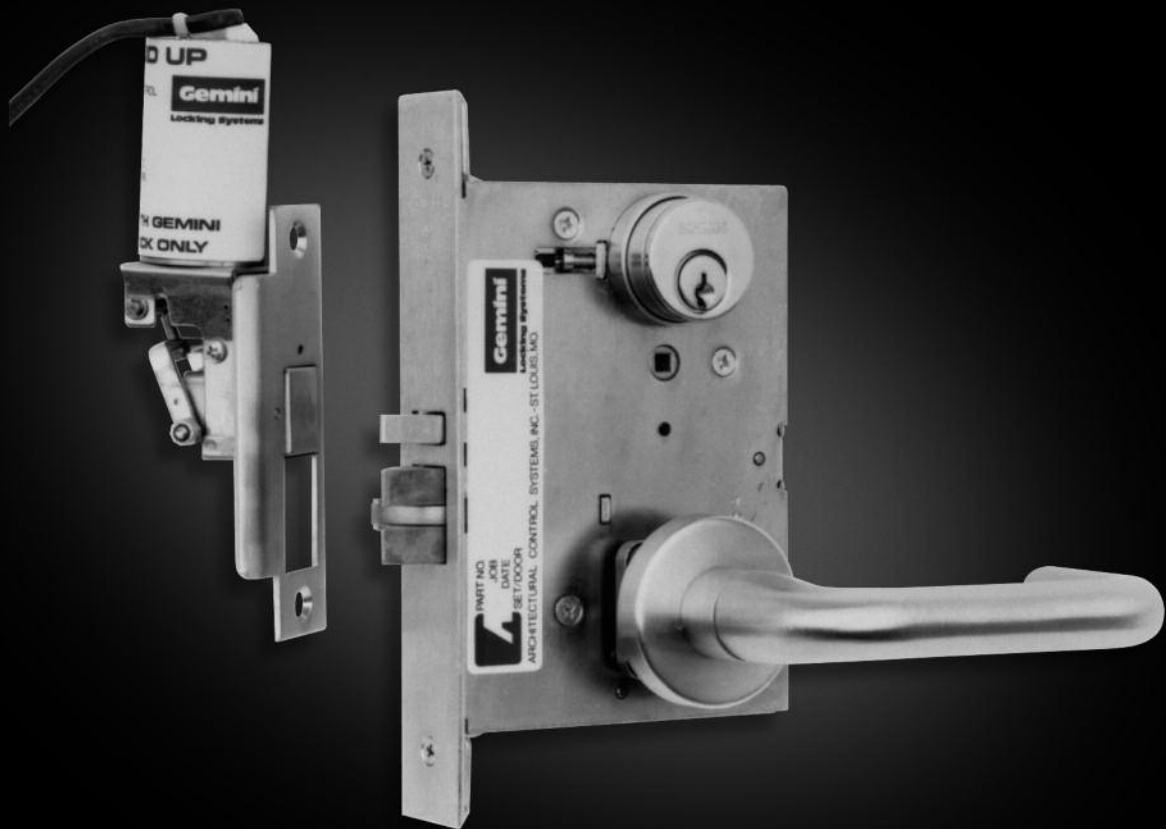
| ACSI - Gemini      | Corbin Russwin   | SDC Hitower |
|--------------------|------------------|-------------|
| <b>Fail Safe</b>   |                  |             |
| 8500-M1-PL         | ML20950, ML20906 | 7550, 7540  |
| 8500-M2-PL         | ML20960, ML20907 | 7530        |
| 8500-M1 or M2-PL*  |                  | 7510, 7520  |
| <b>Fail Secure</b> |                  |             |
| 8500-M1-PUL        | ML20970, ML20908 | 7570        |
| 8500-M2-PUL        | ML20980, ML20909 | 7560        |

\*Please consult the factory for proper part number.

| ACSI      | Description                    | SDC       |
|-----------|--------------------------------|-----------|
| CLS, OLS  | Monitoring                     | 9A, 69A   |
| QC        | Quick-Connect Cable            | SC-10     |
| 302-03-02 | Mortar Guard for 2" Face Frame | 7500-EB-S |

|  |
|--|
| <p><b>Operator Specifications</b></p> <p><b>Electrical</b><br/> <u>8500 Series</u><br/>                 24 volt @ 0.6 amp</p> <p><b>Monitoring Contact Rating</b><br/>                 30 VDC (only) @ 0.5 amp</p> |
|--|

LOCK INTO THE ACSI ADVANTAGE



S E R I E S 8 5 0 0 G E M I N I ® L O C K I N G S Y S T E M S

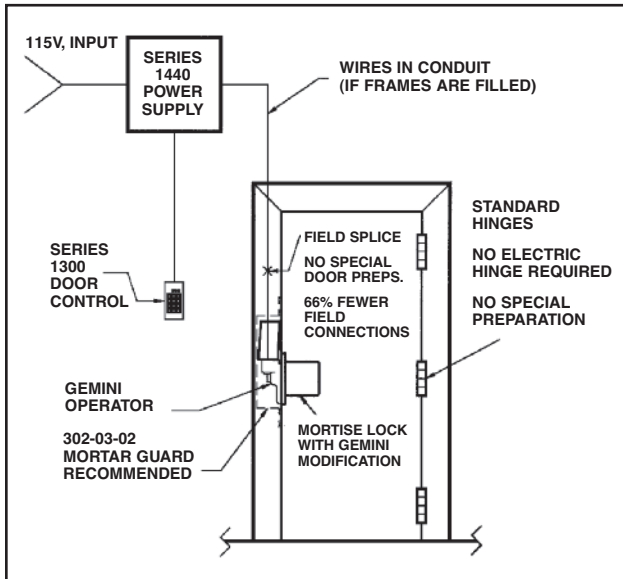


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# SERIES 8500 GEMINI® LOCKING SYSTEM

The patented ACSI Gemini Locking System provides safety and security for stairtower doors or controlled areas where both locking and latching are required. The Gemini System allows remote electric locking or unlocking while conforming to life-safety codes. The System consists of two components: a Gemini modified Mortise Lockset and a frame mounted Gemini Operator.

## Series 8500 Typical Installation



## Features

- UL Listed Gemini Mortise Lock - no special door prep
- UL Listed Gemini Operator located in the frame
- Ability to work with a wide range of mortise lock manufacturers:
  - Arrow
  - Corbin Russwin
  - Schlage
- Fail Safe (Power Lock)
  - Outside trim is locked when power is applied and unlocked when power is removed (store-room 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.
- 24VDC, 24VAC
- Mechanical Key Override
  - 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
- Easy installation: Gemini operator fits easily into 2" face frames. Only one wiring termination.
- Optional quick connect cable
- Continuous duty solenoids
- Heavy duty stainless steel housing
- Security Monitoring available
- Interface with Life-Safety Systems

## HOW TO ORDER

| 1<br>Model | 2<br>Lock Type | 3<br>Control Mode | 4<br>Voltage | 5<br>Quick Connect Cable | 6<br>Security Monitoring | 7<br>Finish | 8<br>Handing | 9<br>Lock Mfg. Part No. |
|------------|----------------|-------------------|--------------|--------------------------|--------------------------|-------------|--------------|-------------------------|
| 8500       | M1             | PL                | 24VDC        | QC                       | CLS                      | 26D         | LH           | L9070                   |
| 8500F      | M2             | PUL               | 24VAC/DC     |                          | OLS                      |             | RH           |                         |
|            | E              |                   | 115VAC       |                          |                          |             | LHR          |                         |
|            |                |                   |              |                          |                          |             | RHR          |                         |
| Example:   |                |                   |              |                          |                          |             |              |                         |
| 8500       | M1             | PL                | 24VDC        | QC                       | CLS                      | 26D         | LH           | L9070                   |

## HOW TO ORDER (cont.)

### 1. Gemini Operator

| Model        | Description   |
|--------------|---|
| <b>8500</b>  | The standard Gemini operator is designed for 2" frame face applications and fits a standard ANSI 4-7/8" frame prep.                                   |
| <b>8500F</b> | Also designed for 2" frame face applications, this operator is supplied with an oversized strikeplate for easy installation in retrofit applications. |

### 2. Lock Type

| Model     | Description   |
|-----------|---|
| <b>M1</b> | Mortise lock with one side (lever or knob) locked   |
| <b>M2</b> | Mortise lock with both sides (lever or knob) locked |
| <b>E</b>  | Mortise exit with outside locked only               |

### 3. Control Mode

| Model      | Description                |
|------------|----------------------------|
| <b>PL</b>  | Power Lock (Fail Safe)     |
| <b>PUL</b> | Power Unlock (Fail Secure) |

### 4. Voltage or Air Powered Operator

The Gemini can be supplied with a broad range of electric or air requirements.

| Model    |
|----------|
| 24VDC    |
| 24VAC/DC |
| 115VAC   |

**Note:** 115VAC not available in PUL

### 5. Quick Connect Cable

| Model     | Description  |
|-----------|--|
| <b>QC</b> | An optional quick connect cable 10' in length with stripped wires at one end for splicing into an electrical box or power supply and with a connector on one end for quick connect to the Gemini operator is automatically supplied with a matching connector. |

**Note:** Leave this space blank if not required.

### 6. Security Monitoring

| Model      | Description  |
|------------|--|
| <b>CLS</b> | Closed Loop Secure - Monitor <ul style="list-style-type: none"> <li>When lock is secure (latch in strike-operator in locked position), monitor loop is a closed circuit. The circuit opens if security is breached.</li> </ul> |
| <b>OLS</b> | Open Loop Secure - Monitor <ul style="list-style-type: none"> <li>When lock is secure (latch in strike-operator in locked position), monitor loop is an open circuit. The circuit closes if security is breached.</li> </ul>   |

**Note:** Leave this space blank if not required.

### 7. Finish

Specify US standard architectural hardware finish as required.

### 8. Handing

| Model      | Description        |
|------------|--------------------|
| <b>LH</b>  | Left Hand          |
| <b>RH</b>  | Right Hand         |
| <b>LHR</b> | Left Hand Reverse  |
| <b>RHR</b> | Right Hand Reverse |

### 9. Lock Manufacturers Part Number

Distributors supply ACSI with mortise or mortise exit lock bodies for Gemini modification. Please supply the lock manufacturer's part number.

Example: L9070, 2055, BM17

**Note:** Refer to the Gemini Series 8500 price list for a complete listing of locksets that can accept the Gemini modification.

## ACCESSORIES

| Model            | Description              |
|------------------|--------------------------|
| <b>302-03-02</b> | Gemini Mortar Guard, 15" |