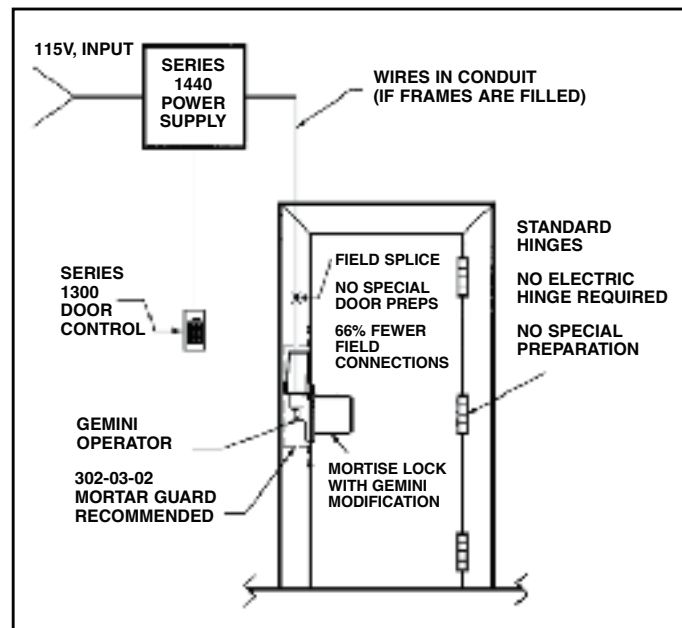# Series 8500

Gemini Locking Systems

Series 8500 | Gemini Locking Systems

ACSI Series 8500 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.

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 (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.

• 24VDC or 24VAC/DC

• Optional quick connect cable

• Continuous duty rated

• Heavy-duty stainless steel housing

• Security monitoring available

• Interface with life-safety systems

• Mechanical key override
  - 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.

• Easy installation: Gemini operator fits easily into 2" face frames. Only one wiring termination.

Series 8500 Typical Installation

115V, INPUT

SERIES 1440 POWER SUPPLY

WIRES IN CONDUIT (IF FRAMES ARE FILLED)

SERIES 1300 DOOR CONTROL

FIELD SPLICE

NO SPECIAL DOOR PREPS

66% FEWER FIELD CONNECTIONS

STANDARD HINGES

NO ELECTRIC HINGE REQUIRED

NO SPECIAL PREPARATION

GEMINI OPERATOR

302-03-02 MORTAR GUARD RECOMMENDED

MORTISE LOCK WITH GEMINI MODIFICATION

1-800-753-5558

How to Order

1 GEMINI OPERATOR	2 LOCK TYPE	3 CONTROL MODE	4 OPERATING VOLTAGE	5 QUICK CONNECT CABLE	6 SECURITY MONITORING	7 FINISH	8 HANDING	9 LOCK PART #
8500	M1	PL	24VDC	QC	CLS	26D	LH	L9070
8500F	M2	PUL	24VAC/DC		OLS		RH	
							LHR	
							RHR	

Example:

GEMINI OPERATOR	LOCK TYPE	CONTROL MODE	OPERATING VOLTAGE	QUICK CONNECT CABLE	SECURITY MONITORING	FINISH	HANDING	LOCK PART #
8500	M1	PL	24VDC	QC	CLS	26D	LH	L9070

1. Gemini Operator — LIST PRICE

8500	The standard Gemini operator is designed for 2" face frame applications and fits a standard ANSI 4-7/8" frame prep.	**$840**
8500F	Also designed for 2" face frame applications, this operator is supplied with an oversized strikeplate for easy installation in retrofit applications.	**$860**

2. Lock Type — LIST PRICE

M1	Mortise lock with one side (lever or knob) locked	**STD**
M2	Mortise lock with both sides (lever and knob) locked	**$40**

3. Control Mode — LIST PRICE

PL	Power Lock (Fail Safe)	**STD**
PUL	Power Unlock (Fail Secure)	**$200**

4. Operating Voltage — LIST PRICE

24VDC		**STD**
24VAC/DC		**$38**

5. Quick Connect Cable — LIST PRICE

QC	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.	**$70**

Note: Leave this space blank if not required.

6. Security Monitoring — LIST PRICE

CLS	Closed Loop Secure – Monitor • When lock is secure (latch in strike-operator in locked position), monitor loop is a closed circuit. The circuit opens if security is breached.	**$200**
OLS	Open Loop Secure – Monitor • When lock is secure (latch in strike-operator in locked position), monitor loop is an open circuit. The circuit closes if security is breached.	**$200**

Note: Leave this space blank if not required.

7. Finish — LIST PRICE

Specify US standard architectural hardware finish as required. **STD**

8. Handing — LIST PRICE

LH	Left Hand	**STD**
RH	Right Hand	**STD**
LHR	Left Hand Reverse	**STD**
RHR	Right Hand Reverse	**STD**

9. Lock Part Number — LIST PRICE

Distributors supply ACSI with mortise locks for modification. Please supply the lock manufacturer's full part number. **STD**

Example: L9070, 2055, BM17

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

Accessories — LIST PRICE

302-03-02	Gemini Mortar Guard, 15"	**$44**

1-800-753-5558

Gemini Lock Modification Listing (Indicates Locksets 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.

Electrical Specifications

Gemini Operator
• 24VAC/DC, 600mA

Monitoring Contact Rating
• 0.5A @ 30VDC

Gemini Comparison Chart

ACSI-Gemini	SDC HiTower
Fail Safe	
8500-M1-PL	7550, 7540
8500-M2-PL	7530
8500-M1 or M2-PL*	7510, 7520
Fail Secure	
8500-M1-PUL	7570
8500-M2-PUL	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

1-800-753-5558