

MOTOR DRIVE ELECTRIC LATCH RETRACTION COMPARISON CHART

Manufacturer	Latch Retraction Part No.	Power Supply Part No.	Latchbolt Monitor Part No.	Request To Exit Part No.
ACSI	1550-MD	1420, 1440, 1450	LM	AE
Von Duprin	QEL	902	LX	RX
Sargent	56	3510	53	55
Dorma	MLR	PS532RF	LM	MS
Adams Rite	SE	PS-SE	LM	M1
Hager	MLR	2903, 2904	LM	RX

1406/1426 POWER SUPPLY

ACSI 1406 and 1426 Power Supplies are designed to operate exit devices equipped with ACSI Series 1550 Electric Latch Retraction.

Features

- UL Listed and tested to UL 294 standard for access control system units
- Class 2 rated outputs
- Overload, over voltage and short circuit protection
- 1406 Series only: Select from independent control of single exit devices from separate inputs (one or two single doors) or sequential operation of two exit devices from a single input (pair of doors)
- Automatic door operator interface
- Fire alarm interface
- Field adjustable latch retraction time delay
- 24VDC, 12VDC* constant voltage outputs (250mA each)

*Not available in battery backup models

Day/Night Mode-ACSI 1426 Power Supply

provides a separate input for retracting one exit device or two exit devices sequentially without activating the automatic door operator. While the latches are held retracted, the auto-operator can be activated independently from a different input.

1406BB/1426BB Power Supplies with Battery Backup

All the same features as above, but includes built-in battery backup power:

- 4 hours of backup power at full load during AC power failure
- Standby battery power with a supervised AC failure output and low battery output
- Supplied with (2) 12V@7AH lead acid batteries

Typical 1426 Application

The 1426 Power Supply has all the features of the 1406 Power Supply with the addition of a day/night mode for doors with an automatic door operator.

A pair of doors is to be controlled by a computerized time system where it is to be unlatched during business hours. During this time, a handicapped wall switch located on the exterior and interior sides of the door can be used to activate the automatic door operator.

After business hours, the computer locks the pair of doors and disables use of the exterior handicapped wall switch. The inside wall switch remains enabled after business hours and, when actuated, will momentarily retract the latches and activate the automatic door operator. To gain entry, a door control located on the exterior side of the door momentarily retracts the latches and simultaneously enables the outside wall switch.

Note: Variations to this application are available. Consult factory.

ELECTRIC EXIT DEVICE SWITCH KITS

ACSI K Series Switch Kits are field installed in the touch bar or in the hinge style case of an exit device. K Series Switch Kits include a SPDT (Single Pole Double Throw) switch assembly with long wire leads and easy-to-follow installation instructions. K Switch Kits may be used to:

- Provide instant release of magnetic locks for free egress
- Activate a door alarm
- Signal a control console when the push bar of an exit device is depressed
- Shunt a door alarm to allow free egress

Models Available

- K-100** Switch Kit for Von Duprin 33A, 35A, 98, 99
- K-200** Switch Kit for Von Duprin 33A, 35A, 98, 99 DPDT
- K-101** Switch Kit for Von Duprin 55
- K-102** Switch Kit for Von Duprin 88
- K-103** Switch Kit for Sargent 80 Series
- K-203** Switch Kit for Sargent 80 Series DPDT
- K-104** Switch Kit for Sargent 9600, 9700, 9800, 9900
- K-105** Switch Kit for Sargent 9300, 9400, 9500
- K-106** Switch Kit for Adams Rite 8000, 3000
- K-107** Switch Kit for Corbin Russwin 8000 and Yale 2100
- K-108** Switch Kit for Jackson 1085, 1095
- K-109** Switch Kit for Yale 7000 and Corbin Russwin ED4000, ED5000
- K-110** Switch Kit for Monarch 18, 19
- K-111** Switch Kit for Doromatic 990, 1090
- K-112** Switch Kit for Doromatic 1490, 1590
- K-124** Switch Kit for Precision 2000 Series
- K-125** Switch Kit for Dorma 9000
- K-126** Switch Kit for Hager 4500, 4600 and PDQ 6200 and Stanley Commercial QED100, 200, 300
- K-226** Switch Kit for Hager 4500, 4600 and PDQ 6200 and Stanley Commercial QED100, 200, 300 DPDT
- K-128** Switch Kit for Design 1000
- K-129** Switch Kit for Falcon 24, 25
- K-130** Switch Kit for Jackson 20
- K-131** Switch Kit for Falcon 1690, 1790

- K-123** Latch Bolt Monitor Switch Kit for Von Duprin 33A, 35A, 98, 99
- K-127** Latch Bolt Monitor Switch for ACSI 1500K-VD ELR Kit on Von Duprin 33A, 35A, 98, 99

Note: Field modification of UL Listed devices voids the UL Listing.

ELECTRICAL SPECIFICATIONS

1550-MD Motor Latch Retraction

1 amp MAX Inrush, .4 amp MAX Holding @ 24 Volts ± 2V

1550 Solenoid Latch Retraction

Must use ACSI 1406 or 1426 Power Supply (see ACSI series 1400 catalog for output voltages)

1510/1520

.33 AMP @ 24 Volts ± 2V

.61 AMP @ 12 Volts ± 1V

1540

.225 AMP @ 24 Volts ± 2V

1560/1570

.33 AMP @ 24 Volts ± 2V

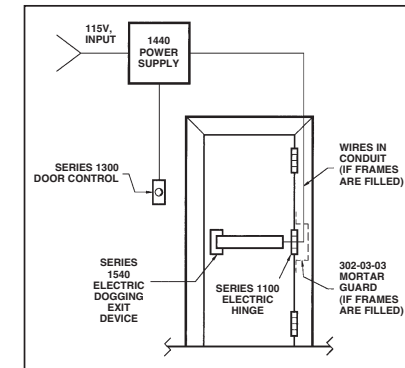
.61 AMP @ 12 Volts ± 1V

Monitoring Contact Rating

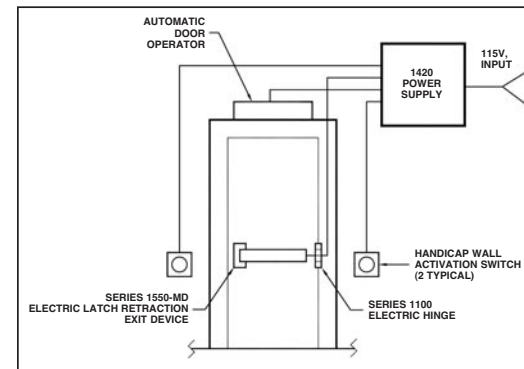
3 AMP @ 125 VAC

2 AMP @ 30 VDC

Series 1540 Typical Installation



ACSI Automated Door Opening system



LOCK INTO THE ACSI ADVANTAGE



MODIFICATIONS TO:

- ADAMS RITE
- ARROW
- CORBIN RUSSWIN
- DORMA
- DOROMATIC
- MONARCH
- PRECISION
- SARGENT
- VON DUPRIN
- YALE
- and more

SERIES 1500 ELECTRIC EXIT DEVICES CATALOG



SERIES 1500 ELECTRIC EXIT DEVICES

You supply the exit device and ACSI supplies high quality UL Listed modifications to a wide range of manufacturer's exit devices. With over 30 years of electric locking experience, ACSI offers proven design, fast factory delivery, and competitive pricing. ACSI engineers and technicians are available to provide system design, wiring diagrams, and a variety of technical services.

1550-MD ELECTRIC MOTOR LATCH RETRACTION

ACSI Series 1550-MD Motor Latch Retraction Exit Device modification/kits provide a remote means of unlocking exit devices

- UL Listed for both Panic and Fire Exit Hardware
- Simultaneous Latch Retraction and Dogging (Pushpad Depressed) on all devices
- Field or factory installed
- Momentary or maintained operation
- Quiet operation
- *Low power requirements; Interfaces with most UL 24VDC filtered and regulated power supplies
- Non-polarized leads
- On-board diagnostic LED lights
- Automatic retry

Field Installable Models Available

- 1550K-MDV** Von Duprin 33A/35A, 98/99
- 1550K-MDV22** Von Duprin 22
- 1550K-MDC** Corbin Russwin ED4000, ED5000
Yale 7000
- 1550K-MDD** Dorma 9000
- 1550K-MDT** Hager 4500, 4600
PDQ 6200
Stanley Commercial(K2) QED100, QED300
- 1550K-MDS** Sargent 80
Arrow 1000, 3000, 4000
- 1550K-MDP** Precision 2000, 5000
- 1550K-MDF** Falcon 24, 25
- 1550K-MDH** Design Hardware 1000
- 1550K-MDX** Dorex 9500
- 1500K-MDO** Falcon 1690, 1790

***Note:** ACSI 1420, 1440 or 1450 Power Supplies are recommended. Refer to ACSI 1400 Series Power Supplies for more information.

ELECTRIC TRIM CONTROL

ACSI Series 1560/1570 Modifications provide a remote means of locking or unlocking outside lever handle trim controls.

- Fail Safe (Power to Lock) Control
- Fail Secure (Power to Unlock) Control
- Continuous Duty Solenoids

Note: Consult Factory for Vertical Rod Devices.

ELECTRIC DOGGING

ACSI Series 1540 Electric Dogging provides continuous latch retraction and dogging simultaneously. When the ACSI 1540 is energized, first time mechanical activation of the push bar will continuously hold the push bar and latch retracted. When power is removed or interrupted from the 1540 exit device, the latch bolt will extend and the push bar is released.

- UL Listed for Fire Exit and Panic Hardware
- Provides quiet egress when electrically dogged - Ideal for theatres, libraries, churches and auditoriums
- 24VDC operation, no special power supply required
- Available in Mortise Exit, Rim Exit, Concealed and Surface Vertical Rod Exit Devices

Note: Consult factory for Mortise Exit applications. ACSI recommends a 1440 power supply. 1440 options can include an external 24 hour, 7 day or 365 day timer.

FAIL SAFE OR FAIL SECURE CONTROL

ACSI Series 1510/1520 Modifications provide a remote means of locking or unlocking Mortise Exit Devices.

- Fail Safe (Power to Lock) Control
- Fail Secure (Power to Unlock) Control
- Continuous Duty Solenoids
- Options include Authorized Egress Switch with Latchbolt Monitoring
- No special power supply required
- UL Listed

HOW TO ORDER

1 Lock Type	2 Modification Number	3 Lock Part No.	4 Voltage	5 Options	6 Quick Connect Cable	7 Handing
ME RE VR	1510 1520 1540 1550 1560 1570	Full Part Number	24VDC 24VAC/DC	AE LM	QC LC	LHR RHR
Example:						
RE ME VR	1550 1520 1540	8800 (Sargent) 9975 (Von Duprin) 7120 (Yale)	24VDC 24VDC	AE	QC LC	RHR LHR RHR

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

Model **Description**

- ME** Mortise Exit Device
- RE** Rim Exit Device
- VR** Vertical Rod Exit Device

2. Modification Number
(Select type of modification required)

Model **Description**

- 1510** Fail Safe Control
- 1520** Fail Secure Control
- 1540** Electric Dogging
- *1550** Solenoid Latch Retraction
- 1550-MD** Motor Drive Latch Retraction/Dogging
- 1560** Trim Control - Fail Safe
- 1570** Trim Control - Fail Secure

3. Lock Part Number

Enter manufacturer's full lock part number (i.e., 9947, 7000, 8000, etc.)

4. Operating Voltage

Select required operating voltage
24VDC 24VAC/DC

5. Options

Authorized Egress (AE)

ACSI Authorized Egress (AE) is an SPDT (Single Pole Double Throw) switch which monitors the push bar of the exit device. The AE Switch can be used to:

- Signal a control console when the push bar is depressed
- Activate a door alarm
- Control an electromagnetic lock for egress
- Shunt a door alarm to allow egress

Latch Bolt Monitor (LM)

Latch Bolt Monitoring is an SPDT switch which monitors the position of the latch bolt for both egress and ingress.

6. Quick Connect Cable

Model **Description**

QC Quick connect cable with connector. Allows for ease of installation in transfer of power from the exit device to the electric hinge.

LC Lynx Connector (ASSA Connector)

- LC4 4 pin connector
- LC8 8 pin connector
- LC12 4 pin and 8 pin connectors

7. Handing

Specify handing of exit device.
RHR - Right Hand Reverse
LHR - Left Hand Reverse

*ACSI UL Listed 1406 or 1426 Power Supply must be used with ACSI 1550 Solenoid Latch Retraction Modifications.

Note: Not available in Von Duprin 48 function

Note: Specify length of exit device

ELECTRIC TRIM CONTROL

ACSI stocks Von Duprin electrified 996L exit trim controls.

Model	Trim Control
RE/VR 1560 996L 24VAC/DC 626 RE/VR 1560 996L 24VAC/DC 613	Von Duprin - Fail Safe Von Duprin - Fail Safe
RE/VR 1570 996L 24VAC/DC 626 RE/VR 1570 996L 24VAC/DC 613	Von Duprin - Fail Secure Von Duprin - Fail Secure

Note: Available in 12 Volt

ELECTRIC EXIT DEVICE 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.

Arrow	Corbin Russwin	Dorma	Falcon	Precision	Sargent	Von Duprin	Yale
1000, 3000	ED4000	9000	24*, 25*	2000, 5000*	80	33A, 35A	7000
4000	ED5000		1690, 1790			98, 99	
Adams Rite	Design Hardware	Hager	Jackson	PDQ	Regent	Stanley Commercial	
3000	1000	4500	20*	6200	5700	QED100, QED200	
8000		4600				QED300	
Dorex							
9500							

*Available in 1550-MD (Motor Drive) only.

SOLENOID ELECTRIC LATCH RETRACTION COMPARISON CHART

Manufacturer	Latch Retraction Part No.	Power Supply Part No.	Latchbolt Monitor Part No.	Request To Exit Part No.
ACSI	1550	1406	LM	AE
Von Duprin	EL	PS873	LX	RX
Sargent	56	3510	53	55
Yale	P	781N	S	B
Corbin Russwin	M94	781N	M91	M92
Precision	ELR	ELR150	LS	SS
Dorma	ES	ES100	LM	MS
Adams Rite	EL, LR	PS-LR	LM	M1
Hager	ELR, EL	2901/2902		RX