

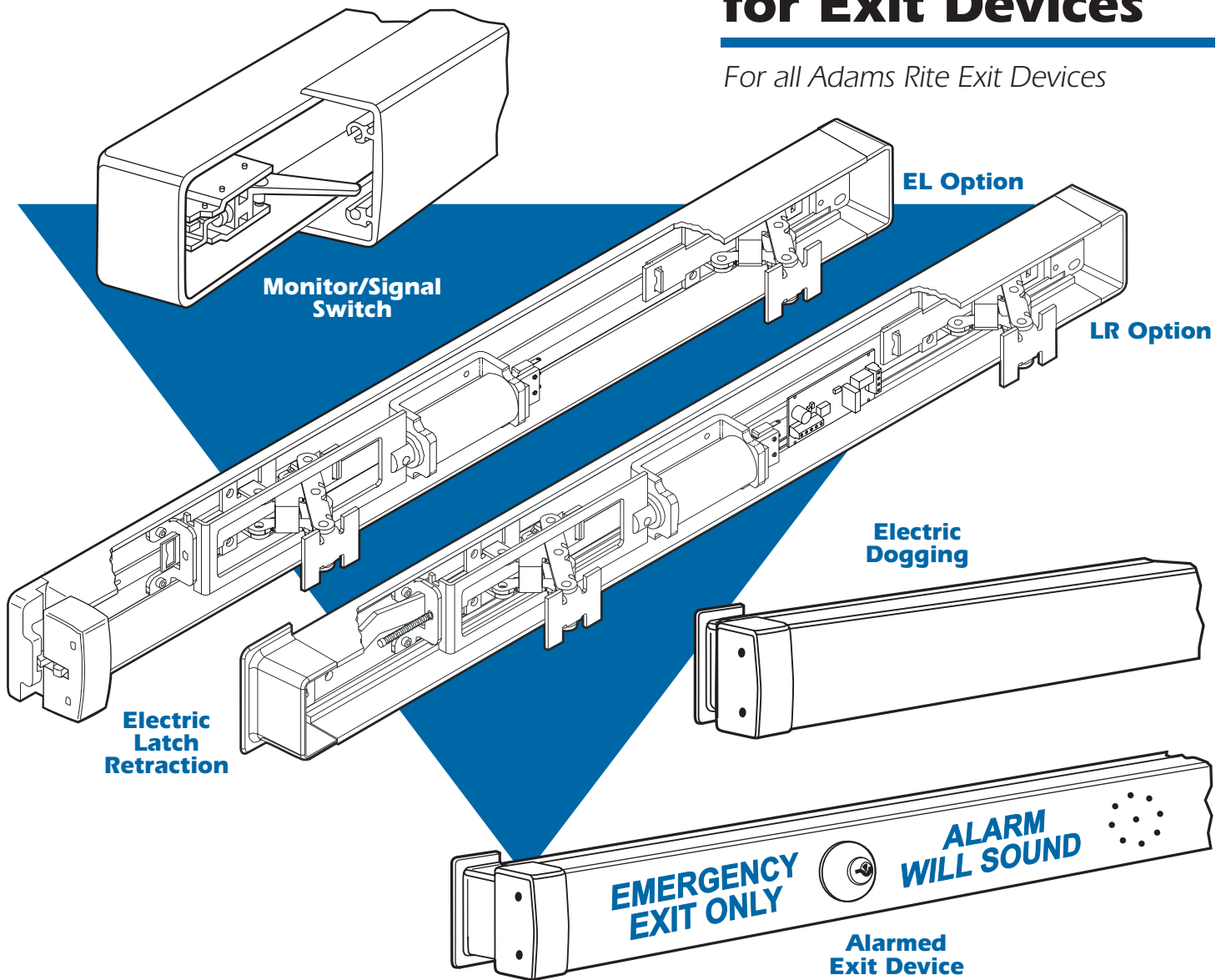
ELECTRIFICATION OPTIONS AND ACCESSORIES



AC-20

Electrical Options for Exit Devices

For all Adams Rite Exit Devices



▼ Function

The entire line of Adams Rite Exit Devices can be ordered with electrification options for stand-alone access control or integration with maglocks, card readers, keypads, fire alarms and other control systems. Different exit device types have different installation and power requirements. See the EXIT DEVICE Section of this Catalog for information on all available types and functions.

▼ PS-LR Power Supply

This Adams Rite power supply is required for the Electric Latch retraction option on Surface Vertical Rod, Concealed Vertical Rod and Mortise type exit devices. It operates at 28 VDC to power up to two LR exit devices in sequential or independent modes and is equipped with automatic door interface circuitry.



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Electrified Exit Devices

See also EXIT DEVICE Section of this Catalog

ELECTRIC LATCH RETRACTION

The EL and LR options use a solenoid mounted in pushbar for instantaneous unlocking and locking of the exit device from a remote location or access control device. Because electrical operation of device is fail-secure, this option can be used on fire-rated as well as life-safety applications. In the event of a power failure device automatically relatches. CVR, SVR and Mortise devices require the use of PS-LR Power Supply. For battery backup order the BBK-LR kit. Batteries are available by others. Rim devices are available in 12 or 24 VDC and can be powered with a simple transformer and rectifier or other DC power supply.

Order PS-LR Power Supply separately.

Solenoid Specifications for CVR, SVR and Mortise:

16 Amps Inrush/.5 Amps Hold

Solenoid Specifications for Rim:

EL-12 VDC - 1.5 Amps Inrush/Hold

EL-24 VDC - .6 Amps Inrush/Hold

Solenoids are rated for both intermittent and continuous operation. Also see 4612 Power Transfer (page AC-23).

Standard EL and LR Devices are shipped without Hex Key Dogging. Only Rim devices with the "EL" application are available with mechanical dogging, specify "ELD".

MONITOR/SIGNAL SWITCH

A switch in the exit device pushbar mounted on the hinge end. Switch can be used to activate signal light, horn, monitor or other devices. Most common application is to release maglock when pushbar is depressed. Switch can be wired for normally open or normally closed depending upon application. Can be retrofit in field to existing exit device. Dual switch version offers redundancy as required by some building codes or the option of operating a second signaling device.

Order Monitor Kits for upgrading any Adams Rite Exit Device:

91-0897-01 for Single Switch 91-0897-02 for Dual Switch

Order "Dummy" Pushbar (no latch mechanism) for switch activation only of monitor or access control device:

8099M1 for Single Switch 8099M2 for Dual Switch

ELECTRIC DOGGING

The "ED" option uses a holding magnet to keep the pushbar depressed (set manually) and the latch retracted. This gives a lower profile exit device, resulting in less damage and quieter operation. All "ED" devices include an internal microswitch that signals when the bar is held in the depressed position, ideal for automatic door operators. On fire-rated devices, it must be wired through the fire alarm system. All devices operate at 24VDC, drawing .6 amp, allowing them to operate with a simple transformer and rectifier.

Note: Not to be used as access control element. Specify "EL" or "LR" with access control devices such as card reader or keypads.

ALARMED EXIT DEVICE

This option emits a loud alarm to notify management of unauthorized exit. Will not alter the Life-Safety characteristics of the exit device in any way. Control of the alarm is by use of a key in any standard Mortise cylinder with MS® cam to arm, disarm, delay or reset the alarm. Red letters on the bar give a "hands off" warning to deter accidental actuation.

Battery Operated Alarm

Four AA alkaline batteries power a horn to create a piercing 95 decibel noise for two minutes (or until disarmed) when pushbar is depressed. Beeps to signal need for new batteries.

Hardwired Alarm

Can be connected to external horn for louder or remote signal. Remote monitor LED light can also be wired in, as can a door position proximity switch. Also accommodates an external delay switch, such as an outside key switch or pad, to allow authorized entry. Uses rechargeable nicad batteries connected to 12-24 Volt AC or DC source. Each bar has its own battery backup system.

Minimum opening width: 36"

HOW TO ORDER ELECTRIFICATION OPTIONS

Specify quantity and the following information.
Order Power Supply, Wire Transfer or other related hardware separately.

