QUIET DUO™ ELR Kit

- *For Use With Fire Rated & Non Fire Rated Exit Devices*
- *Simultaneous Electric Latch Retraction & Dogging**
- *700 mA Inrush, 200 mA Continuous*
- *Quiet Mechanical and Electric Operation*

Patents # US 8,851,530

TOP 30 TECHNOLOGY INNOVATIONS — SECURITY SALES & INTEGRATION 2012

Security Products MAGAZINE 2012 NEW PRODUCT OF THE YEAR

CLASSIFIED UL · UL LISTED

QUIET DUO™ LR100 Series available for these brands:

- **Von Duprin**
- **Yale**
- **Corbin Russwin**
- **Dor-O-Matic**
- **Hager**
- **Adams Rite**
- **Dorma**
- **Stanley K2**
- **IDC**
- **TownSteel**
- **Arrow**
- **PHI**
- **Falcon**
- **Detex**
- **Cal-Royal**
- **PDQ**
- **Falcon IR**
- **Marshall Best**
- **Sargent**
- **SDC**
- **Tell**

Refer to page 2 to confirm compatibility of Rim, Mortise, Surface & Concealed Vertical Rod for each brand.

Application

The SDC LR100 Series Electric Latch Retraction Kit enables electric access control and dogging of mechanical exit devices. When energized the motor retracts the exit device latch and pulls the pushpad into the dogged (depressed) position enabling momentary or sustained push and pull operation of the door.

The latch retraction mechanism may be activated by an access control, remote control device or building automation system. The exit device always provides uninhibited egress.

Field Installed Retrofit Kit - See page 2 for ordering information

• UL Classified for use with 3hr fire rated & non-fire rated exit devices

SDC Factory Installed Kit - See page 2 for ordering information

• UL Listed for use with 3hr fire rated & non-fire rated exit devices
• Distributor sends exit device to SDC for kit installation

SDC is not a licensee of, or affiliated or connected with any of the following companies: Von Duprin, Yale, Corbin Russwin Dor-O-Matic, Dorma, Hager, Adams Rite, PHI, K2, Cal-Royal

Features

- 700 mA Inrush, 200 mA Continuous @ 24VDC
- For access control and sustained dogging applications
- Simultaneous latch retraction and dogging (pushpad depressed*) for most exit devices
- Pushpad is depressed* electrically for quieter push / pull operation
- Automatic re-trigger if device does not pull on first try

   * IMPORTANT NOTE: Electric pushpad depression not available with Corbin Russwin, Yale, Adams Rite and Sargent

Benefits

- Eliminates need for costly replacement of existing exit device
- Significantly less labor and costs compared to competitive retrofit kits
- Eliminates need for costly power supplies with high inrush circuitry. Compatible with UL Listed Access Control Power Supply
- Only 1 Amp SDC brand power supply required for up to 2 exit devices
- Low current enables longer wire runs with smaller gauge wire
- No door sequencers required for pairs of manual doors
- Installs in Von Duprin non-fire rated panic device without removing from the door
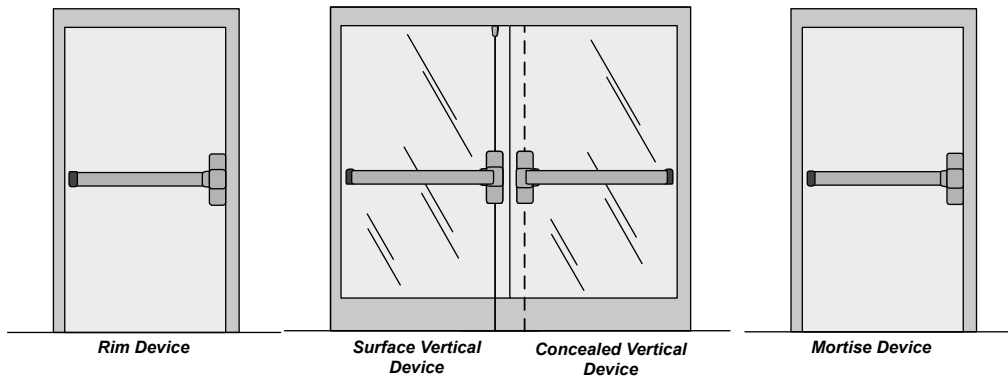
Rim Device   **Surface Vertical Device**   **Concealed Vertical Device**   **Mortise Device**

Ordering Information   (Brands in alphabetical order)

Adams Rite   Exit Device

Opening for	Field Retrofit Kit	Factory Installed
36"	**LR100ARK**	**LR100AR**

Models	
Rim Mount	**8700 / 8800 / 3700**
Surface Vertical Rod	**8100 / 8200 / 3100**
Concealed Vertical Rod	**8600 / 3600**

* Note: Retracts only the latch

Arrow   1000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36" - 48"	**LR100AWK**	**LR100AW**

Models	
Rim Mount	**S1250**
Surface Vertical Rod	**S1150**

Cal-Royal   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	**LR100CAK**	**LR100CA**

Models	
Rim Mount	**7700 / F7700**
Surface Vertical Rod	**7760 / F7760**

Corbin Russwin   ED Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	**LR100CRK**	**LR100CR**
42" - 48"	**LR100CRK-42/48**	**LR100CR-42/48**

Models	
Rim Mount	**ED5200 / ED4200**
Surface Vertical Rod	**ED5400**
Concealed Vertical Rod	**ED5800**

Options	
LRCR1L	**Latch Status Kit**
LRCR1R	**Pushpad/Dogging Status or REX Status Kit**

* Note: Retracts only the latch

Design Hardware   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	**LR100DHK**	**LR100DH**

Models	
Rim Mount	**1000R**
Surface Vertical Rod	**1000V**

Detex   Exit Device

Opening for	Field Retrofit Kit	Factory Installed
36"	**LR100DXK**	**LR100DX**

Models	
Rim Mount	**10 / 40 Series**
Surface Vertical Rod	**20 / 50 Series**
Concealed Vertical Rod	**80 / 60 Series**

Dorma   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	**LR100DAK**	**LR100DA**

Models	
Rim Mount	**9300**
Surface Vertical Rod	**9400**

Falcon   24/25 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	**LR100FRK**	**LR100FR**

Models	
Rim Mount	**25-R / F-25-R / 24-R / F-24-R**
Surface Vertical Rod	**25-V / F-25-V / 24-V / F-24-V**
Concealed Vertical Rod	**25-C / F-25-C / 24-C / F-24-C**

Falcon Dor-O-Matic   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	**LR100FAK**	**LR100FA**

Models	
Rim Mount	**1790**
Concealed Vertical Rod	**1690**

Opening for	Field Retrofit Kit	Factory Installed
36"	**LR100DMK**	**LR100DM**

Models	
Rim Mount	**1590**
Concealed Vertical Rod	**1490**

Hager — 4500 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100HK	LR100H
30"	LR100HEM	LR100HEM

Models

Rim Mount	4501 - Rim
Surface Vertical Rod	4501 - SVR

Options

LRH1L	Latch Status Kit
LRH1R	Pushpad/Dogging Status or REX Status Kit

IDC (International Door Closers) — 8000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100IDCK	LR100IDC
30"	LR100IDCKEM	LR100IDCEM

Models

Rim Mount	8610 / 8810 / 8510 / 8710
Surface Vertical Rod	8630 / 8830 / 8530 / 8730
Mortise	8620 / 8820
Concealed Vertical Rod	8650 / 8850 / 8550 / 8750

Options

LRIDC1L	Latch Status Kit
LRIDC1R	Pushpad/Dogging Status or REX Status Kit

Marshall Best — Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100MBSK	LR100MBS

Models

Rim Mount	Q1100/QF1100
Surface Vertical Rod	Q1200/QF1200

PDQ — Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100PDQK	LR100PDQ

Models

Rim Mount	6200R
Surface Vertical Rod	6200V

PHI (Precision Hardware) — Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100PDK	LR100PD

Models

Rim Mount	2101 / 2400
Surface Vertical Rod	2201
Concealed Vertical Rod	2801 / 2600
Rim Mount	5100
Surface Vertical Rod	5200

Options

LRP1L	Latch Status Kit for PHI Rim 2000 Series
LRP2L	Latch Status Kit for PHI Vertical 2000 Series
LRP1R	REX Status or Pushpad/Dogging Status for PHI 2000 Series

Sargent — Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100SGK	LR100SG

Models

Rim Mount	8800
Surface Vertical Rod	8700
Concealed Vertical Rod	8600

SDC — 6000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"-48"	LR100SDCK	LR100SDC
30"	LR100SDCKEM	LR100SDCEM

Models

Rim Mount	S6100
Surface Vertical Rod	S6200
Mortise	S6300
Concealed Vertical Rod	S6800

Options

LRSDC1L	Latch Status Kit
LRSDC1R	Pushpad/Dogging Status or REX Status Kit

Stanley K2 — QED Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100K2K	LR100K2
30"	LR100K2KEM	LR100K2EM

Models

Rim Mount	QED111
Surface Vertical Rod	QED114
Concealed Vertical Rod	QED124

Options

LRK2R	Latch Status and REX Status or Pushpad/Dogging Status Kit

Tell Mfg. — Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100TEK	LR100TE

Models

Rim Mount	9500
Surface Vertical Rod	9400

TownSteel   ED1100 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	**LR100TSK**	**LR100TS**
30"	**LR100TSKEM**	**LR100TSEM**

Models

Rim Mount	**ED1100 / ED6500**
Surface Vertical Rod	**ED1200**
Concealed Vertical Rod	**ED1300 / ED6700**

Von Duprin   98/99 and 33/35 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	**LR100VDK**	**LR100VD**
30"	**LR100VDKEM**	**LR100VDEM**

Models

Rim Mount	**98/99**
Surface Vertical Rod	**9827/9927**
Concealed Vertical Rod	**9847/9947**
Mortise	**9875/9975**
Three Point latching	**9857/9957**

Von Duprin   22 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36" 48"	**LR100VDK22**	**LR100VD22**
30"	**LR100VDKEM22**	**LR100VDEM22**

Models

Rim Mount	**22**
Surface Vertical Rod	**2227**

Options

LRVD1L	**Latch Status Kit for Von Duprin 98/99 and 22 Series**
LRVD2L	**Latch Status Kit for Von Duprin 33/35 Series**
LRVD1R	**REX Status or Pushpad/Dogging Status for Von Duprin 98/99 and 33/35 Series**
LRVD2R	**REX Status or Pushpad/Dogging Status for Von Duprin 22 Series**

Yale   7000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	**LR100YDK**	**LR100YD**
42" - 48"	**LR100YDK-42/48**	**LR100YD-42/48**

Models

Rim Mount	**7100, 7102, 7200**
Surface Vertical Rod	**7110, 7210**
Concealed Vertical Rod	**7120, 7220**

Options

LRY1L	**Latch Status Kit**
LRY1R	**Pushpad/Dogging Status or REX Status Kit**

* Note: Retracts only the latch

LR100 series

LR100EM series

SDC 600 Series Power Supply

Standard Opening Width 36"

33"
32"
18" TYP   TOUCH PAD   DEVICE   END RAIL
11-1/4"
LR100VD

32" Opening (36" Device Modified for 32" Opening)

29-1/4"
28"
8-1/2"
DEVICE   END RAIL
LR100VD-EM

Measurements above are example only - all devices vary
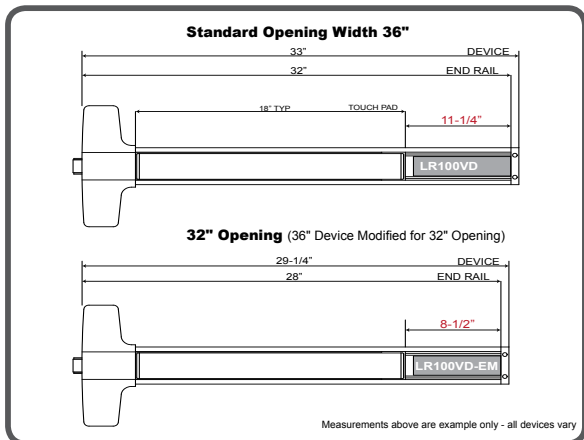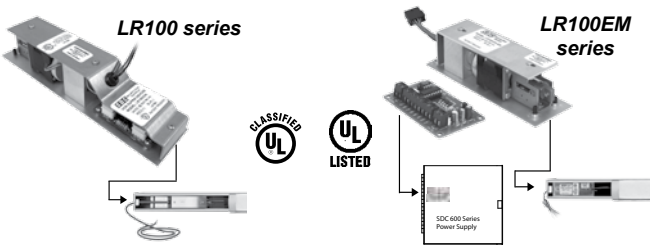
Power Supplies

602RF 1 Amp, 12/24VDC Power Supply, UL 294 Listed
For use with up to two 24VDC devices
Add one EMC sequencer for 2 single or 1 pair of automatic doors.

632RF 2 Amp, 12/24VDC Power Supply, UL 294 Listed
For use with up to four 24VDC devices
Add two EMC sequencers for 4 single or 2 pairs of automatic doors

Two Door Sequencer

EMC 2 Station Door Sequencer
Each EMC provides interface and sequencing for two single or one double automatic door. Not required for manual doors.

Power Transfer Devices

PTH-4Q   Power Transfer hinge, UL Listed, Fire Rated

PTH-10Q Power Transfer hinge, UL Listed, Fire Rated

PT-5   Mortise Power Transfer Device, UL 294 Listed, Fire Rated

PT-3V   Stainless steel door loop with surface wire junction

PTM-2   Electric Power Transfer Device, (2) 18 GA wires, 5 Amp Max., UL Listed, Fire Rated

PTM-10 Electric Power Transfer Device, (10) 24 Ga. wires, 1 Amp Max., UL Listed, Fire Rated

SECURITY DOOR CONTROLS