Quiet Duo™ Series
LR100 24V Latch Retraction / Dogging Kit

SDC DESIGNED AND MANUFACTURED

Patents # US 8,851,530





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.

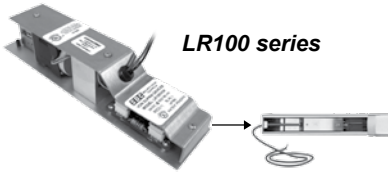
QUIET DUO™ LR100 Series available for these brands:

• 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 Vertical Rod for each brand.

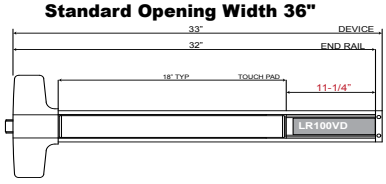
FEATURES

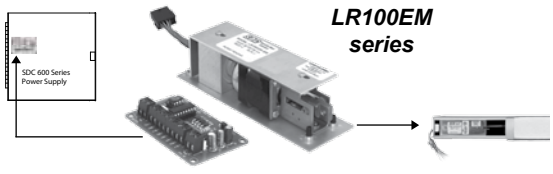
- 700 mA Inrush, 200 mA Continuous @ 24VDC
- For access control and sustained dogging applications
- Simultaneous latch retraction and dogging (pushpad depressed) for most exit devices*
- Pushpad is depressed* electrically for quieter push / pull operation
- Automatic re-trigger if device does not pull on first try
- Eliminates need for costly replacement of existing exit device
- Significantly less labor and costs compared to competitive retrofit kits
- 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



LR100 series

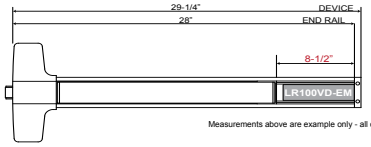
Standard Opening Width 36"



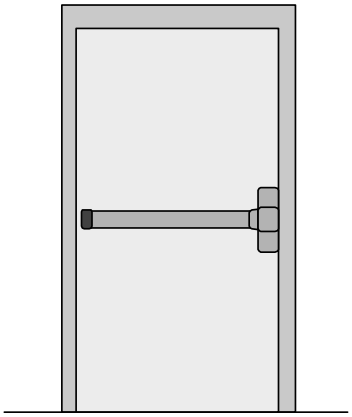


LR100EM series

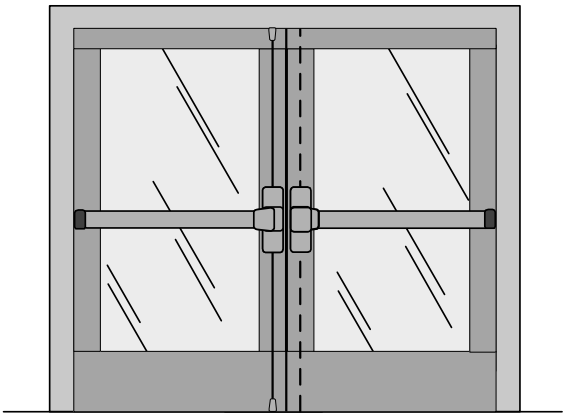
32" Opening (36" Device Modified for 32" Opening)



* on designated models

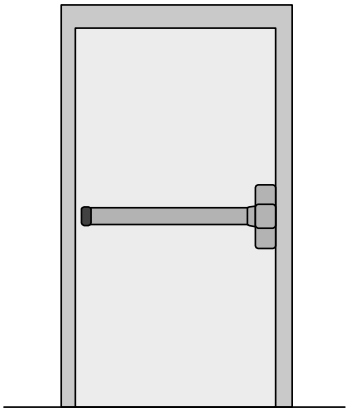


Rim Device



Surface Vertical Device

Concealed Vertical Device



Mortise Device

MODELS

(Brands in alphabetical order)

Adams Rite Exit Device

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100ARK	LR100AR
30"	LR100ARK-EM	LR100AR-EM

Models	
Rim Mount	8700** / 8800 / 3700
Surface Vertical Rod	8100 / 8200 / 3100
Concealed Vertical Rod	8500 / 8600 / 3600

* Note: Retracts only the latch ** Works With EM version ONLY

Arrow 1000 Series Exit Devices

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

Models	
Rim Mount	S1250
Surface Vertical Rod	S1150

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100AWK-ED910	LR100AW-ED910

Models	
Rim Mount	ED910

Corbin Russwin ED Series Exit Devices

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

Models	
Rim Mount	ED5200 / ED4200
Surface Vertical Rod	ED5400
Concealed Vertical Rod	ED4800 / ED5800

Options	
LRCR1L	Latch Status Kit
LRCR1R	REX Status Kit

* Note: Retracts only the latch

Cal-Royal Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100CAK	LR100CA

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

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100CAK-9800	LR100CA-9800

Models	
Rim Mount	9800 / F9800
Surface Vertical Rod	9860 / F9860

Opening for	Field Retrofit Kit	Factory Installed
30"	LR100CAK-EM	LR100CA-EM

Models	
Rim Mount	2200 / F2200 / 9800 / F9800
Surface Vertical Rod	2260 / F2260 / 9860 / F9860

Design Hardware Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	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 / 81 / 62 / 63 Series

Options	
LRDX1R	REX Status Status Kit

Dorma Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100DAK	LR100DA

Models

Rim Mount	9300 / F9300
Surface Vertical Rod	9400 / F9400

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
30"	LR100FAK-EM	LR100FA-EM

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"	LR100HK-EM	LR100H-EM

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"	LR100IDCK-EM	LR100IDC-EM

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

Pamex Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100PAK	LR100PA
30"	LR100PAK-EM	LR100PA-EM

Models

Rim Mount	EF9000
Surface Vertical Rod	EF9000V
Concealed Vertical Rod	EF9020V

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	2100 / 2400
Surface Vertical Rod	2200 LBR
Concealed Vertical Rod	2800 LBR / 2600
Rim Mount	5100
Surface Vertical Rod	5200 LBR

Options

LRP1L	Latch Status Kit for PHI Rim 2000 Series
LRP2L	Latch Status Kit for PHI Vertical Rod 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
30"	LR100SGK-EM	LR100SG-EM

Models

Rim Mount	8500 / 8800
Surface Vertical Rod	8700
Concealed Vertical Rod	8400 / 8600
Mortise	8300 / 8900

Options

LRSG2R	Latch Status and REX Status or Pushpad/Dogging Status Kit

SDC 6000 Series Exit Devices

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

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"	LR100K2K-EM	LR100K2-EM

Models

Rim Mount	QED111
Surface Vertical Rod	QED114
Concealed Vertical Rod	QED124

Options

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

TownSteel ED1100 Series Exit Devices

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

Models

Rim Mount	ED1100
Surface Vertical Rod	ED1200
Concealed Vertical Rod	ED1300

Options

LRTS1R	REX Status or Pushpad/Dogging Status Kit

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100TSK-55/56	LR100TS-55/56

Models

Rim Mount	ED5500
Surface Vertical Rod	ED5600

Options

LRTS2R	REX Status or Pushpad/Dogging Status Kit FOR ED5500

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100TSK-65/67	LR100TS-65/67

Models

Rim Mount	ED6500
Surface Vertical Rod	ED6700

Tell Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100TEK	LR100TE

Models

Rim Mount	9500
Surface Vertical Rod	9400

Von Duprin 22 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36" - 48"	LR100VDK-22	LR100VD-22
30"	LR100VDK-22-EM	LR100VD-22-EM

Models

Rim Mount	22
Surface Vertical Rod	2227

Options

LRVD1L	Latch Status Kit for 22 Series
LRVD2R	REX Status or Pushpad/Dogging Status for 22 Series

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

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100VDK	LR100VD
30"	LR100VDK-EM	LR100VD-EM

Models

Rim Mount	98/99	33A / 35A
Surface Vertical Rod	9827/9927	3327A / 3527A
Concealed Vertical Rod	9847/9947	3347A / 3547A
Mortise	9875/9975	
Three Point latching	9857/9957	

Options

LRVD1L	Latch Status Kit for Von Duprin 98/99
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

Yale 7000 Series Exit Devices

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

Models

Rim Mount	7100, 7100-2, 7200
Surface Vertical Rod	7110, 7210
Concealed Vertical Rod	7120, 7220

Options

LRY1L	Latch Status Kit
LRY1R	REX Status Kit

* Note: Retracts only the latch