



Revised: April 2012

QUIET DUO™ LR100 Latch Retraction / Dogging Kit



QUIET DUO™ ELR Kit, only 450 mA Inrush

- For Use With Fire Rated & Non Fire Rated Exit Devices
- Simultaneous Electric Latch Retraction & Dogging*
- Low 450 mA Inrush, 180 mA Continuous
- Quiet Mechanical and Electric Operation

Patents Pending



QUIET DUO™ LR100 Series available for these brands:

- | | | | | | |
|--------------|--------|------------------|---------------|---------|--------------|
| • Von Duprin | • Yale | • Corbin Russwin | • Dor-O-Matic | • Hager | • Adams Rite |
| • SDC | • K2 | • IDC | • TownSteel | • PHI | • Falcon |

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



Scan QR Code to Watch Installation Video & browse website

Features

- Low 450 mA Inrush, 180 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 and Adams Rite.

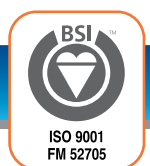
Benefits

- 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 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

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

SECURITY DOOR CONTROLS

sdsecurity.com service@sdsecurity.com



Ordering Information

R Indicates most recent revision or additions



SDC:	LR100SDCK	Field Retrofit Kit
	LR100SDC	SDC Installed Kit

- S6100** Rim Mount
- N6100** Narrow Rim Mount
- S6200** Surface Vertical Rod
- N6200** Narrow Surface Vertical Rod
- S6300** Mortise
- S6800** Concealed Vertical Rod
- N6800** Narrow Concealed Vertical Rod

Falcon:	LR100FAK	Field Retrofit Kit
	LR100FA	SDC Installed Kit

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

First Choice:	LR100FCK	Field Retrofit Kit
	LR100FC	SDC Installed Kit

- 3700** Rim Mount
- 3600** Concealed Vertical Rod

R Optional REX & Latch Status outputs for SDC

- LRSDC1L** Latch Status Kit
- LRSDC1R** REX or Pushpad/Dogging Status kit

Adams Rite:	LR100ARK	Field Retrofit Kit
	LR100AR	SDC Installed Kit

- 8800** Narrow Rim Mount - Aluminum

Hager:	LR100HK	Field Retrofit Kit
	LR100H	SDC Installed Kit

- 4501 - Rim** Rim Mount
- 4501 - SVR** Surface Vertical Rod

R Optional REX & Latch Status outputs for Hager

- LRH1L** Latch Status Kit
- LRH1R** REX or Pushpad/Dogging Status kit

Corbin Russwin:	LR100CRK	Field Retrofit Kit
	LR100CR	SDC Installed Kit

- ED5200** Rim Mount
- ED4200** Narrow Rim Mount
- ED5400** Surface Vertical Rod
- ED5800** Concealed Vertical Rod

R Option	LR100CRK-42/48	Field Retrofit Kit with 42"- 48" extension rod
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◇ electric pushpad depression unavailable

R Optional REX & Latch Status outputs for Corbin Russwin

- LRCR1L** Latch Status Kit
- LRCR1R** REX or Pushpad/Dogging Status kit

Dor-O-Matic:	LR100DMK	Field Retrofit Kit
	LR100DM	SDC Installed Kit

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

IDC (International Door Closers):	LR100IDCK	Field Retrofit Kit
	LR100IDC	SDC Installed Kit

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

R Optional REX & Latch Status outputs for IDC

- | | | |
|----------------|-----------------------------------|---------------|
| LRIDC1L | Latch Status Kit | 100.00 |
| LRIDC1R | REX or Pushpad/Dogging Status kit | 100.00 |

K2:	LR100K2K	Field Retrofit Kit
	LR100K2	SDC Installed Kit

- QED111** Rim Mount
- QED114** Surface Vertical Rod
- QED124** Concealed Vertical Rod

R Optional REX & Latch Status outputs for K2

- | | | |
|--------------|--|---------------|
| LRK2R | Latch Status and REX or Pushpad/Dogging Status kit | 100.00 |
|--------------|--|---------------|

PHI (Precision Hardware):

LR100PDK Field Retrofit Kit
LR100PD SDC Installed Kit

2101 Rim Mount
2201 Surface Vertical Rod
2801 Concealed Vertical Rod
5100 Rim Mount
5200 Surface Vertical Rod

R Optional REX & Latch Status outputs for PHI

LRP1L Latch Status Kit for PHI Rim 2000 Series **100.00**
LRP2L Latch Status Kit for PHI Vertical 2000 Series **100.00**
LRP1R REX or Pushpad/Dogging Status kit for PHI 2000 Series **100.00**

Town Steel:

LR100TSK Field Retrofit Kit
LR100TS SDC Installed Kit

ED1100 Rim Mount

◇ Yale:

LR100YDK Field Retrofit Kit
LR100YD SDC Installed Kit

7100 Rim Mount
7110 Surface Vertical Rod
7200 Narrow Rim Mount

R Option

LR100YDK-42/48 Field Retrofit Kit with 42"- 48" extension rod

◇ electric pushpad depression unavailable

R Optional REX & Latch Status outputs for Yale

LRYD1L Latch Status Kit
LRYD1R REX or Pushpad/Dogging Status kit

Von Duprin:

LR100VDK Field Retrofit Kit
LR100VD SDC Installed Kit

98/99 Rim Mount
9827/9927 Surface Vertical Rod
9847/9947 Concealed Vertical Rod
33A/35A Rim Mount
9875/9975 Mortise

Von Duprin:

LR100VDK22 Field Retrofit Kit
LR100VD22 SDC Installed Kit

22 Rim Mount
2227 Surface Vertical Rod

Von Duprin Optional REX Latch Status

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

R Von Duprin:

LR100VDK -EM External Latch Retraction Field Retrofit Kit for 30" Devices

98/99 Rim Mount
9827/9927 Surface Vertical Rod
9847/9947 Concealed Vertical Rod
33A/35A Rim Mount

Power Supplies



Power Supply

optional EMC sequencer

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

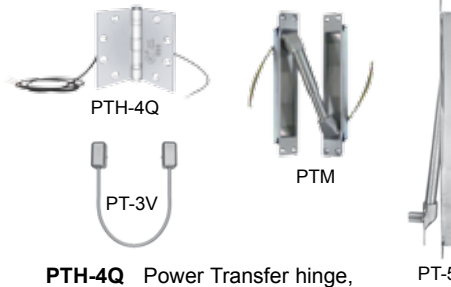
For use with up to four 24VDC devices
Add two EMC sequencers for 4 single or 2 pairs of automatic doors

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
- 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