Please check our website regularly
for new releases in this product line

# QUIET DUO™ LR100 Latch Retraction / Dogging Kit



## 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 Pending



## QUIET DUO™ LR100 Series available for these brands:

| | | | | | |
|---|---|---|---|---|---|
| • Von Duprin | • Yale | • Corbin Russwin | • Dor-O-Matic | • Hager | • Adams Rite |
| • K2 | • IDC | • TownSteel | • Arrow | • PHI | • Falcon |
| • Detex | • PDQ | • Falcon IR | • Marshall Best | • Sargent | • SDC |

**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



### 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

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

## Ordering Information

### SDC 6000 Series Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36"-48" | LR100SDCK | LR100SDC |
| 32" | LR100SDCKEM | LR100SDCEM |

**Options: Retrofit Monitoring Kits, SPDT**

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

**Models**

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

### Adams Rite Exit Device

NEW RELEASE

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100ARK | LR100AR |
| 42" | LR100ARK42 | LR100AR42 |
| 48" | LR100ARK48 | LR100AR48 |

**Models**

| Standard Line (Hollow Metal Doors) | | Narrow Line (Hollow Metal Doors) | Fire Rated |
|---|---|---|---|
| 8700 | Rim Mount | 8800 | 3700 |
| 8100 | Surface Vertical Rod | 8200 | 3100 |
| | Concealed Vertical Rod | 8600 | 3600 |

* Note: Retracts only the latch

### Arrow 1000 Series Exit Device

NEW RELEASE

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100AWK | LR100AW |
| 42" | LR100AWK42 | LR100AW42 |
| 48" | LR100AWK48 | LR100AW48 |

**Models**

| | |
|---|---|
| S1250 | Rim Mount |

### Corbin Russwin ED Series Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100CRK | LR100CR |
| 42" or 48" | LR100CRK-42/48 | LR100CR-42/48 |

**Options: Retrofit Monitoring Kits, SPDT**

| | | |
|---|---|---|
| | LRCR1L | Latch Status Kit |
| | LRCR1R | Pushpad/Dogging Status or REX Status Kit |

* Note: Retracts only the latch

**Models**

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

### Design Hardware Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 33"-42" | LR100DHK | LR100DH |

**Models**

| | |
|---|---|
| 1000R | Rim Mount |
| 1000V | Surface Vertical Rod |

### Detex Exit Device

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100DXK | LR100DX |

**Models**

| Standard Line | | Narrow Line |
|---|---|---|
| 10 Series | Rim Mount | 40 Series |
| 20 Series | Surface Vertical Rod | 50 Series |
| 80/81 Series | Concealed Vertical Rod | 62/63 Series |

### Falcon 24/25 Series Exit Devices

NEW RELEASE

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100FRK | LR100FR |

**Models**

| Standard Line | | Narrow Line |
|---|---|---|
| 25-R / F-25-R | Rim Mount | 24-R / F-24-R |
| 25-V / F-25-V | Surface Vertical Rod | 24-V / F-24-V |
| 25-C / F-25-C | Concealed Vertical Rod | 24-C / F-24-C |

### Falcon Dor-O-Matic Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100DMK | LR100DM |

**Models**

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

## Falcon Dor-O-Matic Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100FAK | LR100FA |

**Models**

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

## K2 QED Series Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36"-48" | LR100K2K | LR100K2 |
| 32" | LR100K2KEM | LR100K2EM |

**Options: Retrofit Monitoring Kits, SPDT**

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

**Models**

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

## Hager 4500 Series Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36"-48" | LR100HK | LR100H |
| 32" | LR100HKEM | LR100HEM |

**Options: Retrofit Monitoring Kits, SPDT**

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

**Models**

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

NEW RELEASE

## Marshall Best Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | | Factory Installed | |
|---|---|---|---|---|
| 36" | LR100BSK | | LR100BS | |

**Models**

| | |
|---|---|
| Q1100/QF1100 | Rim Mount |

## IDC (International Door Closers) 8000 Series Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36"-48" | LR100IDCK | LR100IDC |
| 32" | LR100IDCKEM | LR100IDCEM |

**Options: Retrofit Monitoring Kits, SPDT**

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

**Models**

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

## PHI (Precision Hardware) Exit Devices

**Electric Latch Retraction / Dogging Device (Less Bottom Rod)**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100PDK | LR100PD |

**Options: Retrofit Monitoring Kits, SPDT**

| | | |
|---|---|---|
| | 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 |

**Models**

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

continued on next page

## PDQ Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100PDQK | LR100PDQ |
| 42" | LR100PDQK42 | LR100PDQ42 |
| 48" | LR100PDQK48 | LR100PDQ48 |

**Models**

| | |
|---|---|
| 6200R | Rim Mount |
| 6200V | Surface Vertical Rod |

## Sargent Exit Devices

NEW RELEASE

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36"-48" | LR100SGK | LR100SG |

**Models**

| | |
|---|---|
| 8800 | Rim Mount |
| 8700 | Surface Vertical Rod |
| 8600 | Concealed Vertical Rod |

**Options: Retrofit Monitoring Kits, SPDT**

| | | |
|---|---|---|
| | LRSGR | REX Status Kit |

* Note: Retracts only the latch

## TownSteel ED1100 Series Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" - 48" | LR100TSK | LR100TS |
| 32" | LR100TSKEM | LR100TSEM |

**Models**

| | |
|---|---|
| ED1100 | Rim Mount |

## Yale 7000 Series Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36" | LR100YDK | LR100YD |
| 42" or 48" | LR100YDK-42/48 | LR100YD-42/48 |

**Options: Retrofit Monitoring Kits, SPDT**

| | | |
|---|---|---|
| | LRY1L | Latch Status Kit |
| | LRY1R | Pushpad/Dogging Status or REX Status Kit |

* Note: Retracts only the latch

**Models**

| Standard Line | | Narrow Line |
|---|---|---|
| 7100 | Rim Mount | 7200 |
| 7100-2 | Rim Mount | |
| 7110 | Surface Vertical Rod | 7210 |
| 7120 | Concealed Vertical Rod | |

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

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36"-48" | LR100VDK | LR100VD |
| 32" | LR100VDKEM | LR100VDEM |

**Models**

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

## Von Duprin 22 Series Exit Devices

**Electric Latch Retraction / Dogging Device**

| Length | Field Retrofit Kit | Factory Installed |
|---|---|---|
| 36"-48" | LR100VDK22 | LR100VD22 |
| 32" | LR100VDKEM22 | LR100VDEM22 |

**Models**

| | |
|---|---|
| 22 | Rim Mount |
| 2227 | Surface Vertical Rod |

**Options: Retrofit Monitoring Kits, SPDT for Von Duprin 98/99, 33/35 and 22 Series**

| | | |
|---|---|---|
| | 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 |

## 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



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