SDC

SECURITY DOOR CONTROLS ■ WWW.SDCSECURITY.COM

[t] 800.413.8783 ■ 805.494.0622 ■ E-mail: service@sdcsecurity.com ■ 801 Avenida Acaso, Camarillo, CA 93012 ■ PO Box 3670, Camarillo, CA 93011

INSTALLATION INSTRUCTIONS

LR100VDK
ELECTRIC LATCH RETRACTION DEVICE KIT
MODELS: 3327A, 3348A, 3527A, 3548A, 9827, 9847, 9849, 9857, 9927, 9947, 9949, 9957 & 9975

Retrofit Installation Note: 42" or 48" exit devices that have been modified to fit a 36" or smaller opening, may not have the required space to fit the standard E. L. R. assembly. Always verify the distance from the end of the touchpad to the end rail, and if necessary, consult with the factory for appropriate selection.
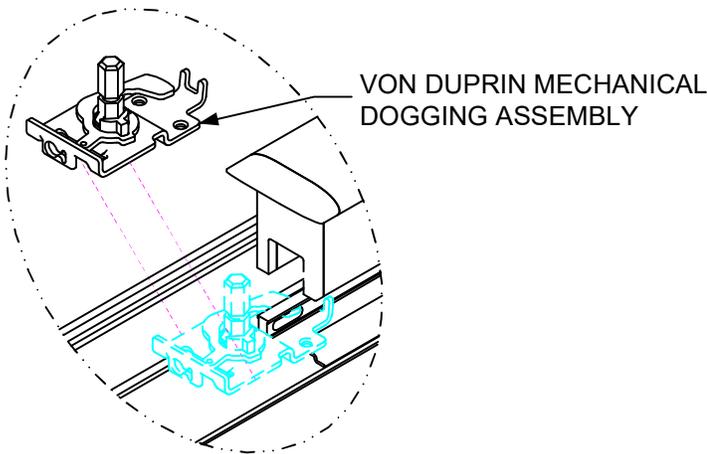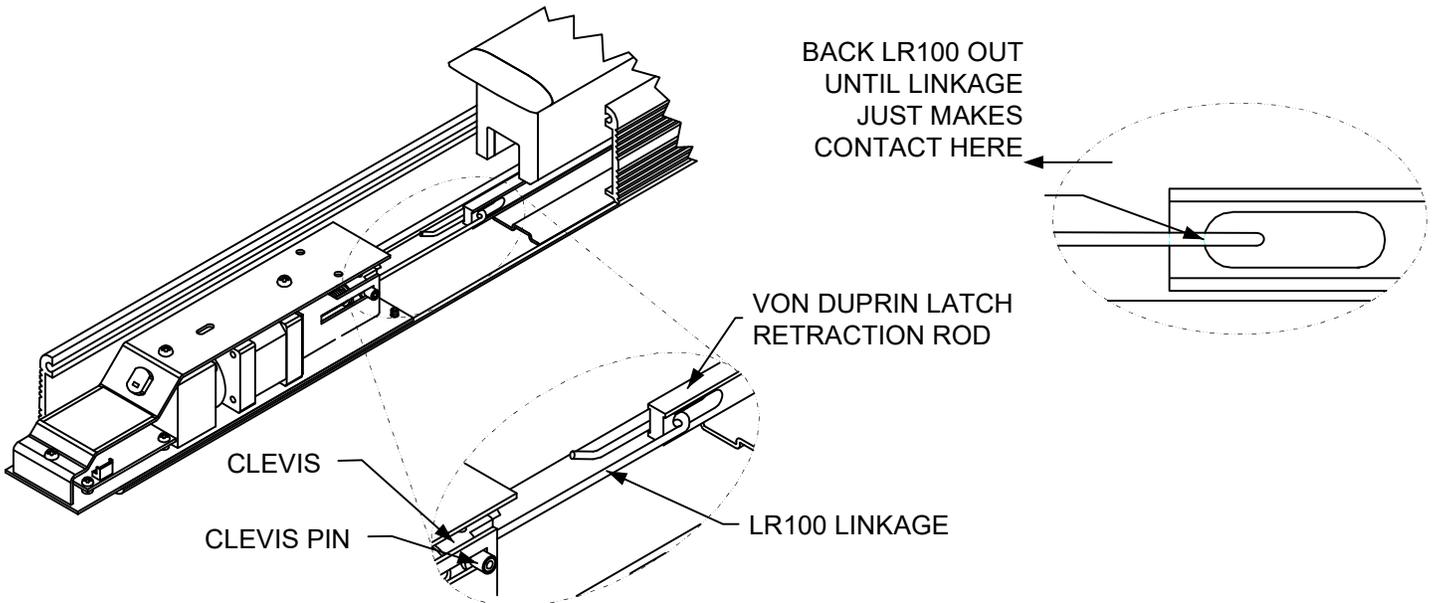
ELECTRICAL DATA
24VDC +/- 10%
1.5A Inrush / 200mA holding
RED (+)   BLK (-)
PATENT #8,851,530
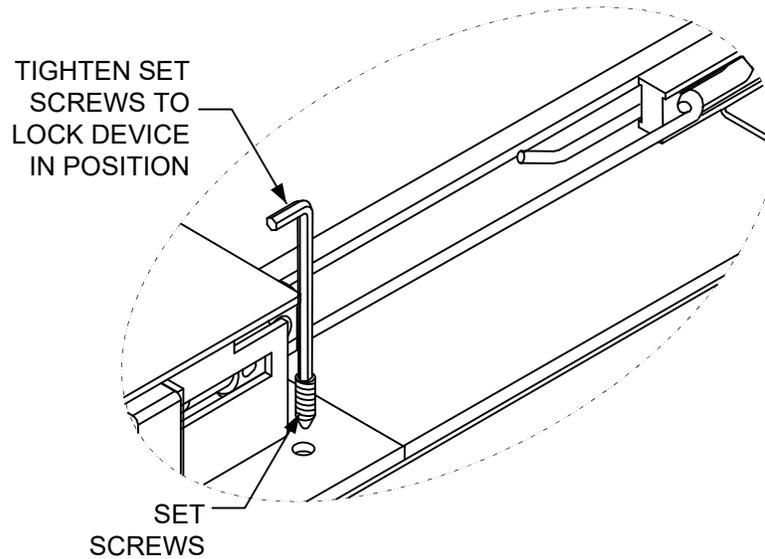
* Visit: sdcsec.com/vonduprin

For Installation video

Step 1

Remove Von Duprin installed mechanical dogging assembly.

VON DUPRIN MECHANICAL
DOGGING ASSEMBLY

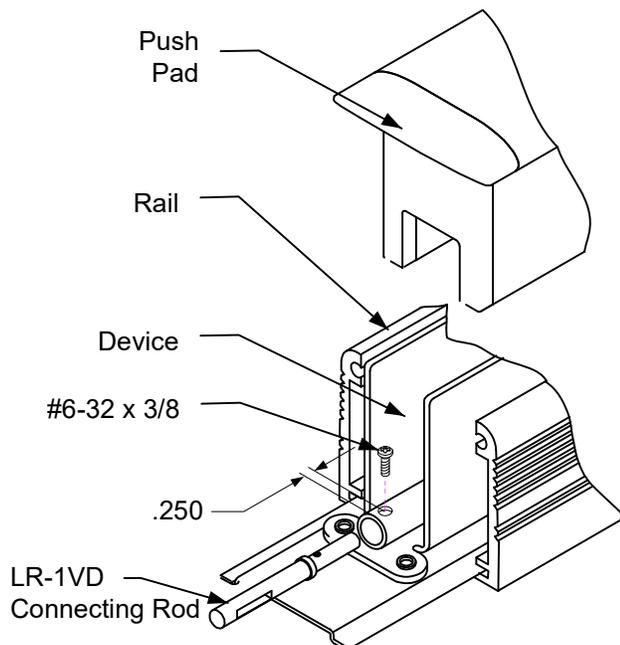## _Step 2_

Slide the LR100 Electric Latch Retraction assembly into device and attach the linkage to the latch retraction rod.

BACK LR100 OUT
UNTIL LINKAGE
JUST MAKES
CONTACT HERE

VON DUPRIN LATCH
RETRACTION ROD

CLEVIS

CLEVIS PIN

LR100 LINKAGE

Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdcsecurity.com

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Step 3
Tighten set screws.

TIGHTEN SET SCREWS TO LOCK DEVICE IN POSITION

SET SCREWS

INSTALLATION INSTRUCTIONS
LR-1VD CONNECTING ROD
FOR USE ON VON DUPRIN DEVICES
LESS DOGGING FEATURE

Push Pad

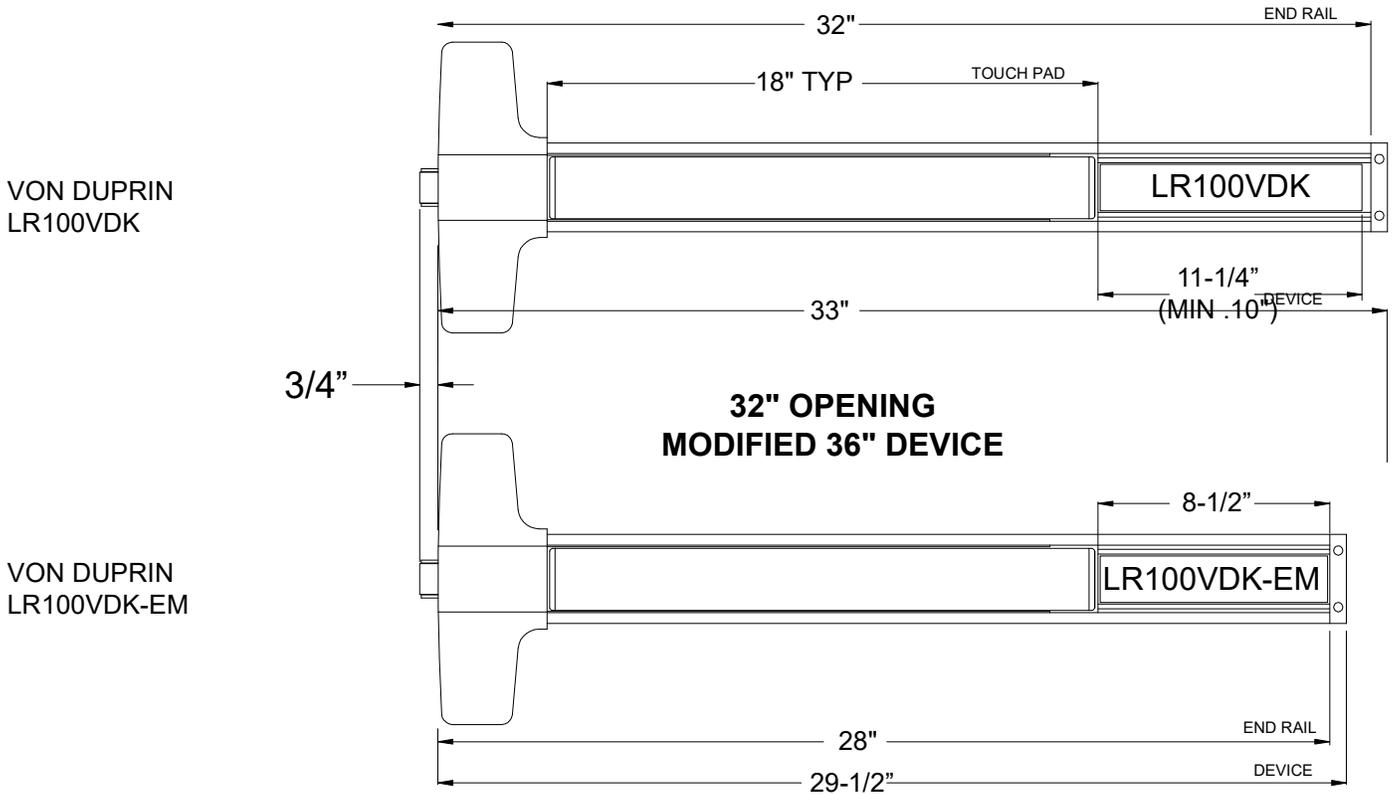Rail

Device

#6-32 x 3/8

.250

LR-1VD Connecting Rod

When retrofitting to existing vertical rod devices, adjustment of the rods are required for proper assembly of the LR100VDK Kit.

Please see the SDC website (www.sdcsecurity.com) for installation tips and photographs of installing.

1. Remove the rail and push pad from the device

2. Drill a 5/32" (.156") diameter hole as shown in illustration.

3. Insert the connecting rod provided and fasten in screw

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36" OPENING
FULL LENGTH 36" DEVICE

32"

18" TYP

TOUCH PAD

END RAIL

**VON DUPRIN
LR100VDK**

LR100VDK

11-1/4"
(MIN .10")

DEVICE

33"

3/4"

32" OPENING
MODIFIED 36" DEVICE

8-1/2"

**VON DUPRIN
LR100VDK-EM**

LR100VDK-EM

END RAIL

28"

DEVICE

29-1/2"

Disconnect vertical rods from the
Device head

NOTE Retro-Fitting Vertical Rod Devices:

Before retro-fitting an electric latch assembly into a vertical device, the following must be done
to ensure proper alignment. Disconnect the vertical rods from the device head. Install the
electric latch assembly as shown above. Once the ELR is properly installed energize it so that
the push pad is dogged down, by doing so it will allow for proper alignment for the vertical rods.
Finally reconnect the vertical rods to the device and make the proper adjusments.