

**VON DUPRIN®**

# Quiet Electric Latch Retraction-QEL

Featuring 98/99, 94/95  
and 33A/35A series  
exit devices



## Overview

Quiet electric latch retraction (QEL) provides electronic control of an exit device for environments where limited operational noise is desired. The QEL option is Von Duprin's solution of choice for hospitals, libraries, museums and theaters where ambient noise can be disruptive. It is available on all Von Duprin 98/99, 94/95 and 33A/35A series exit devices.

These devices always provide mechanical egress. The electrified latch retraction can also be activated by an access system or building automation system to unlatch the exit device momentarily. Often the QEL is used with a credential reader and access control system to unlock the door momentarily for authorized users.

The QEL can also be configured to electronically retract the latch for an extended period of time to allow free entry. This is a convenient alternative to mechanical dogging. If manual dogging is required, the hex dogging option is available, to order specify HD-QEL. Special center case dogging is also available for 98/99 rim and vertical systems, specify SD-QEL.

QEL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an automatic fire alarm system.

## Features and Benefits

- QEL option available on all 98/99, 94/95 and 33A/35A series exit devices
- Energy efficient motorized latch retraction utilizes standard 2 amp power supply, enabling longer wire runs from power source
- Quiet operation in both mechanical and electronic states
- Modular design allows for a simplified installation
- On-board installation and troubleshooting diagnostics built into device
- Auto adjust latch retraction – automatically adjusts latch throw and pull
- Pushbar is pulled in electronically for quieter operation when dogged
- Vandal resistant – detects and responds to events of attack and tampering

## Specifications Compliance

- Devices are BHMA Certified to ANSI/BHMA A156.3 (2001) Grade 1 for Exit Devices
- Devices are UL and cUL Listed as "Panic Hardware" (UL 305) and as "Fire Exit Hardware" (UL 10C)
- The QEL Conversion Kit is UL Classified under "Accessories for Single-Point Locks and Latches and Fire Exit Hardware" (UL 10C)

## Electronic Specifications

### QEL electrical load

<b>Voltage</b>	24 VDC
<b>Current</b>	1.0 A Inrush (0.5 sec) 0.14 A Holding

### QEL wire run lengths

Distance (one way)	Wire gauge
200'	18 AWG
320'	16 AWG
500'	14 AWG
800'	12 AWG

## Accessories

The QEL has a low in rush current = 1.0 amps, so it can be used with standard Schlage power supplies. When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating, see table below for output ratings.

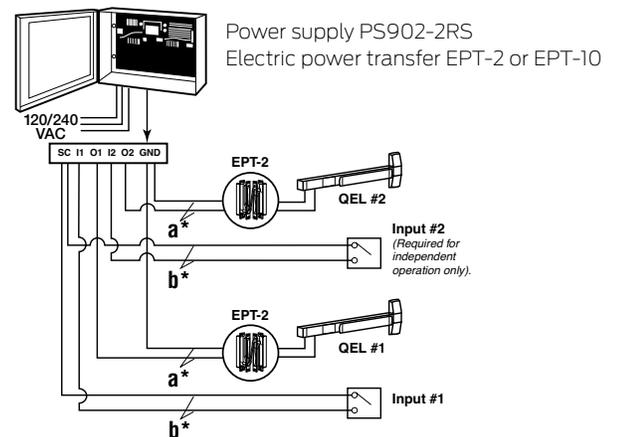
Schlage PS902	Schlage PS904	Schlage PS906
up to 2 amps	up to 4 amps	up to 6 amps

The QEL device is compatible with the following equipment: PS900 Series power supplies - PS902, 904, 906, 914; 900 Series Option Boards - 900-2RS, 900-4R, 900-4RL, 900-2Q; PS873 Power Supply including 871-2, 871-2Q, 873-4TD/AO Option Boards. The power transfer is also sold separately. Please refer to Von Duprin catalog for more information on EPT-2/EPT-10 power transfers and PS900 series power supplies.

## How to order

- **Standard** – Use prefix QEL, example QEL99L.
- **Special Center Case Dogging** – Use prefix SD-QEL, example SD-QEL99L.
- **Hex Dogging** – Use prefix HD-QEL, example HD-QEL99L.

## Popular Application



## About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit [www.allegion.com](http://www.allegion.com)

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## QEL exit device

A quieter way  
to make an entrance.

Recent studies show a change of shift at a hospital can reach an unhealthy 113 decibels (dB). To put that into perspective, a symphony orchestra plays at 110 dB. This noise can cause patients to lose sleep, have a higher blood pressure and/or heart rate, and be more disappointed with the hospital services as a whole. Not only are patients receiving negative symptoms, but caregivers become more stressed and fatigued in a noisier environment. Hospitals are doing everything they can to eliminate excess noise to keep their patients and employees happy and healthy!

### **That's where Von Duprin steps in.**

When the QEL is used in place of standard electronic latch retraction, the noise level can be reduced to that of a quiet conversation.

**Contact your local Allegion representative to learn how the QEL can have a positive impact on your patient satisfaction scores. Visit [www.allegion.com](http://www.allegion.com), or give us a call 877-671-7011.**



## Designed for easier, quieter performance.

Hospital nurseries and patient rooms, libraries, museums and theaters require electrified hardware that operates at whisper-quiet levels. The new Von Duprin QEL couples the reliability and high performance Von Duprin is known for, with quieter operation that won't disrupt meetings, performances or study. In fact, Von Duprin offers one of the quietest entrance/exit solutions when paired with our mechanical and electronic products.



### QEL Enhancements

**Modular design.** Allows you to upgrade your openings without replacing your existing exit device. A variety of kits are available to meet your specific needs - from retrofitting your mechanical devices to upgrading your solenoid driven EL devices.

**You can upgrade an EL to a QEL without changing the Von Duprin or Schlage power supply.** If you're tired of the noisy solenoid driven EL's, you can upgrade to a QEL without ordering any new boards for your power supply.

**The lower power requirements allow for 4X the wire run.** The power supply and QEL device can now be up to 800 ft. away from each other. This allows customers to conveniently mount their power supply with more options, and even centralize them in certain cases.

**The new QEL is compatible with any Schlage or Von Duprin power supply through the use of a 900-2RS board.** The QEL will also work with an existing PS873 power supply.

**Available for 33A/35A, 94/95 and 98/99 series exit devices.**

### Features and Benefits

**Quietest operation both mechanically and electrically.**

Motor driven latch retraction paired with the "Quiet One" make the QEL Von Duprin's quietest latch retraction solution. Healthcare patients, students, and front office administrators all deserve a quiet environment.

**Auto adjust latch retraction.** This feature allows for the latch throw and pull to be adjusted automatically, no manual adjustments are required.

**On-board Diagnostics.** The QEL board has electronic LED's that provide visual indication if it's installed incorrectly or encounters errors.

**Push pad is pulled in electronically when activated.** This provides a visual indication that the device is dogged and operating properly.

**Second try activation.** If the QEL experiences any interference it will attempt to retract the device a second time!

**Vandal Resistance.** When the push pad is forcefully pull out while it's retracted, the QEL will pull the push pad back in to keep the opening retracted. If this happens 3 times it will leave the opening in the non-retracted state for a few moments, and then retract the device again.

To learn more, visit [www.allegion.com](http://www.allegion.com), or give us a call 877-671-7011.

**CITATIONS:**

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