



Guide To Selecting a 70 Series Exit Device

Enjoy the quality and trust you expect from Von Duprin® at a mid-price option. The Von Duprin 70 Series exit devices provide reliable performance and peace of mind for applications like warehouse, industrial, office, multifamily, retail, and commercial real estate spaces. It's available in a wide range of device types, lever designs, options, and finishes

With so many exit devices on the market today, identifying the right solution can seem like an overwhelming task. This brief guide highlights some important considerations when making your selection. Allegion security and safety consultants are here to help you every step of the way; you can turn to us for expertise and service at any time before, during or after installation.

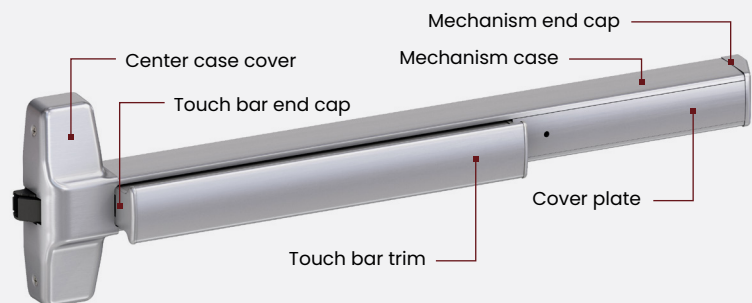
1. DEVICE TYPES

As the pioneer in the industry, Von Duprin continues to advance the industry through customer-centric innovation, which delivers solutions to the most challenging applications.

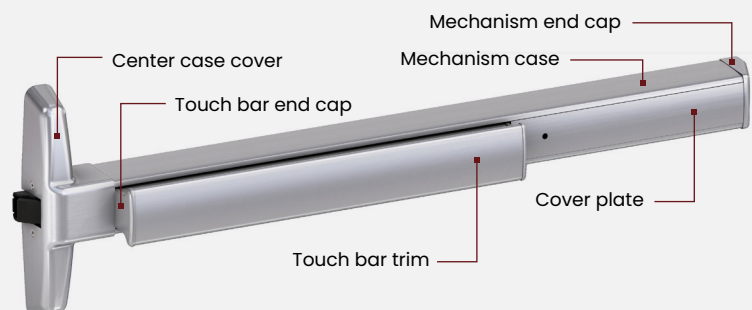
Backed by high quality standards, Von Duprin exit devices were among the first in the industry certified to ANSI/BHMA A156.3 (2014) Grade 1. Our exit devices are tested to the highest standards and proven in the field to perform under heavy use and abuse, giving you peace of mind both now and in the future.

The versatile design can be easily upgraded to connect to a larger electronic ecosystem, empowering you to adapt with flexible solutions. You can configure numerous variations in the field without replacing your device and protecting your investment. This makes upgrades easy and cost effective. Von Duprin exit devices are available as two device stiles, the 78 and the 75 Series.

78 Series is a Wide Stile Device

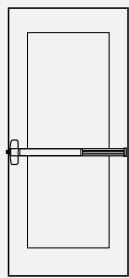


75 Series is a Narrow Stile Device



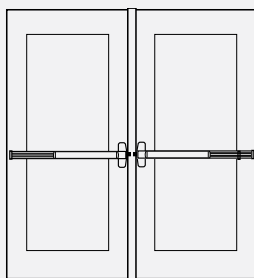
Popular Applications

Single Door Applications

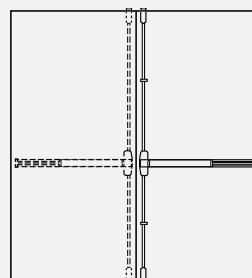


Single rim device

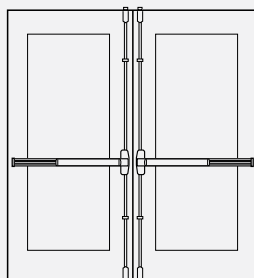
Double Door Applications



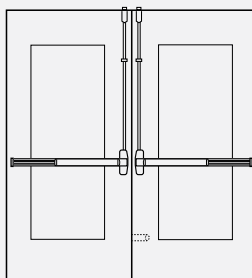
Two rim devices with mullion—same direction



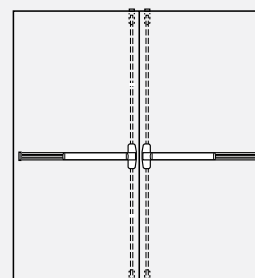
Two vertical rods—double egress
Two surface/concealed rods



Two surface mounted vertical rod devices—same direction*



Two fire exit hardware vertical rods with auxiliary fire latch—LBR option*

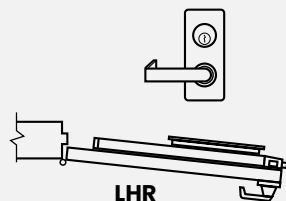


Two concealed vertical rods—same direction*

*Do not use with overlapping astragal

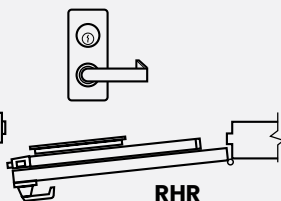
Door Handing

Left hand-reverse orientation



(Left hand-reverse)

Right hand-reverse orientation



(Right hand-reverse)

Outside

75 Rim Exit Device

75 rim exit devices for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1.



Specifications	Details
Device functions	Device ships EO/DT/NL; field selectable
Device lengths	3' 2' 6" to 3' (762mm to 914mm) door size 4' 3' to 4' (914mm to 1219mm) door size
Device centerline from finished floor	39-13/16" (1011mm) 39-11/16" (1008mm) with mullion
Center case	9" x 1-5/8" x 2-3/8" (229mm x 41mm x 60mm)
Mechanism case	2-5/16" x 2-1/8" (59mm x 54mm)
Projection	Pushbar neutral - 3-13/16" (97mm) Pushbar depressed - 3-1/16" (78mm)
Latch bolt	Deadlocking, 5/8" (15.875mm) throw
Finishes	US26D (626), US28 (628), 313 (710), US4 (606), US3 (605), US15 (619), US26 (625), 315 (711), 643E, US10B (613)
Pushbar length	3' 18" (457mm) 4' 24" (610mm)
Fasteners and sex bolts (SNB)	Includes screw pack for 1-3/4" (4mm) and 2-1/4" (57mm) thick metal or wood doors (Optional 425 SNB available)

Quick Survey



Identify the type of application:

- Wide stile or narrow stile?
- Single door or double door?
- Mullion or no mullion?
- Concealed or surface vertical rods?
- Will the opening be fire rated?

Features & Options

Electrified Options

LX	Latch bolt monitor switch
RX	Request to exit
E	Electric locking and unlocking trim; no cylinder override
ALK	Alarm exit kit
CON	Allegion connect
QEL	Quiet electric latch retraction

Mechanical Options

AX	Accessible device
GBK	Glass bead kit
SNB	Sex bolts
SEC	Security screws

Dogging Feature

Hex key dogging standard

Dogging Options

CD	Cylinder dogging
LD	Less dogging
QEL	QEL options available

Strikes

1439	Dull black
Optional strikes	

Please reference 78 & 75 Series Exit Devices Catalog for additional information on 70 series device options

78 Rim Exit Device

78 Rim exit devices for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).



Specifications	Details
Device functions	Device ships EO/DT/NL; field selectable
Device lengths	3' 2' 6" to 3' (762mm to 914mm) door size 4' 3' to 4' (914mm to 1219mm) door size
Device centerline from finished floor	39-13/16" (1011mm) 39-11/16" (1008mm) with mullion
Center case	7-7/8" x 2-3/4" x 2-3/8" (200mm x 70mm x 60mm)
Mechanism case	2-5/16" x 2-1/8" (59mm x 54mm)
Projection	Pushbar neutral - 3-13/16" (97 mm) Pushbar depressed - 3-1/16" (78mm)
Latch bolt	Deadlocking, 5/8" (15.875mm) throw
Finishes	US26D (626), US28 (628), 313 (710), US4 (606), US3 (605), US15 (619), US26 (625), 315 (711), 643E
Pushbar length	3' 18" (457mm) 4' 24" (610mm)
Fasteners and sex bolts (SNB)	Includes screw pack for 1-3/4" (4mm) and 2-1/4" (57mm) thick metal or wood doors (Optional 425 SNB available)

Features & Options

Electrified Options

LX	Latch bolt monitor switch
RX	Request to exit
E	Electric locking and unlocking trim
ALK	Alarm exit kit
CON	Allegion connect
QEL	Quiet electric latch retraction

Mechanical Options

AX	Accessible device
GBK	Glass bead kit
SNB	Sex bolts
SEC	Security screws

Dogging Feature

Hex key dogging standard

Dogging Options

CD	Cylinder dogging
LD	Less dogging
QEL	QEL options available

Strike

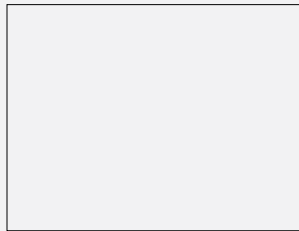
299	Dull black
-----	------------

Please reference 78 & 75 Series Exit Devices Catalog for additional information on 70 series device options

2. TRIM

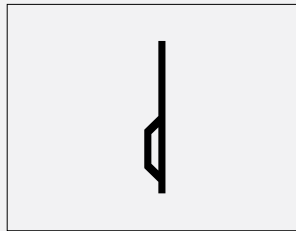
Von Duprin protects your investment by empowering you to adapt with flexible solutions and modular options. The 78 and 75 Series features numerous trim options to serve your different needs. Designed with flexibility in mind, our solutions offer ease of adding new options as they are developed. With Von Duprin, you can be confident that as the needs of your facility change, our products can be upgraded easily to meet those needs. Von Duprin's versatile design enables you to add functionality to existing devices in a cost-effective way, protecting your investment well into the future. A variety of device trim lock type functions such as key lock and unlock, latch bolt retraction with key and no cylinder designs for an "always operable" function are available in levers, knobs, latches, thumbpiece and thumbturn designs

78 Series Trim Functions



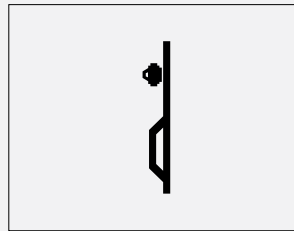
EO
No outside

- Exit only



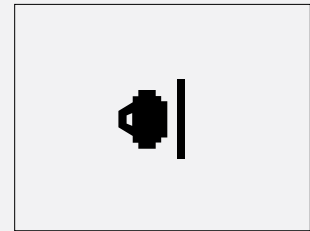
DT
Dummy

- Pull when dogged (not recommended for fire device)



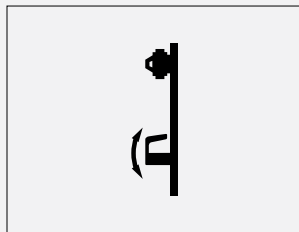
NL
Night Latch

- Key retracts latch bolt
- Rim cylinder



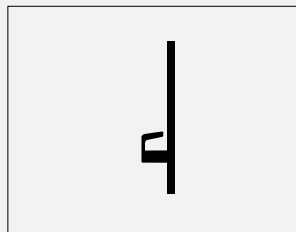
NLOP
Night Latch

- Key retracts latch bolt, pull required
- Rim cylinder



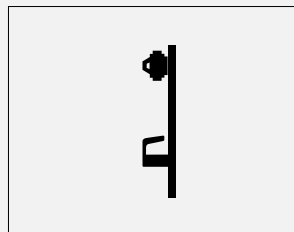
L
Lever

- Key locks and unlocks
- 1-1/4" mortise cylinder
- Handed, reversible lever
- Electrified lever operation available



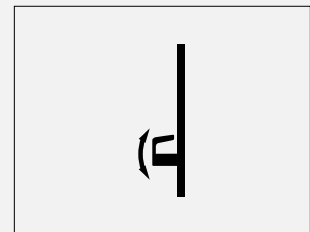
LDT
Lever, Dummy Trim

- Pull when dogged (not recommended for fire device)



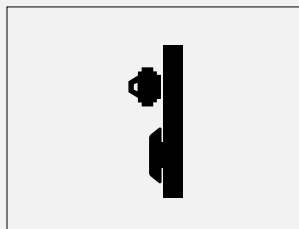
LNL
Lever, Night Latch

- Key retracts latch bolt
- 1-1/4" mortise cylinder
- Handed, reversible lever



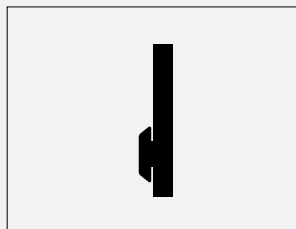
LBE
Lever, Blank Escutcheon

- Always operable (no cylinder)



TL
Turn lever

- Key locks and unlocks; or key unlocks, then relocks when key is removed (use with DT trim)
- 1-1/4" mortise cylinder



TLBE
Turn lever, blank escutcheon

- Blank escutcheon always operable (no cylinder, use with DT trim)



Quick Survey

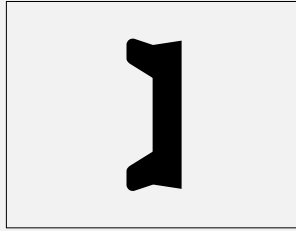
- What locking requirements do you have?
- Who do you want to be able to access your door?

75 Series Trim Functions



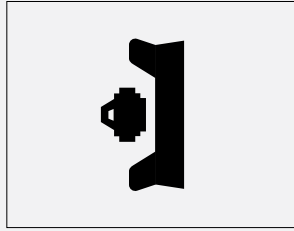
EO
No outside

- Exit only



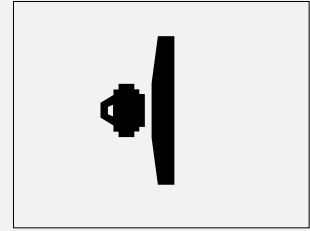
DT
Dummy

- Pull when dogged (not recommended for fire device)



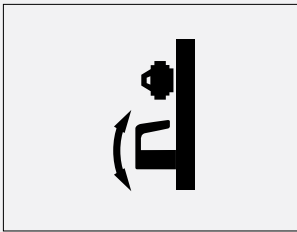
NL
Night latch

- Key retracts
- Rim cylinder



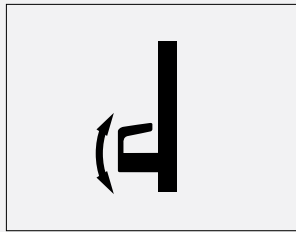
NLOP
Night latch

- Key retracts latch bolt, optional pull required
- Rim cylinder



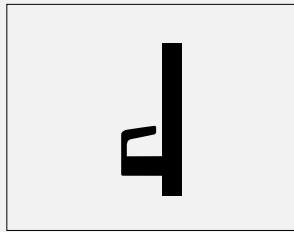
L
Lever

- Key locks and unlocks; or key unlocks, then relocks when key is removed.
- 1-1/4" mortise cylinder
- Handed, reversible lever



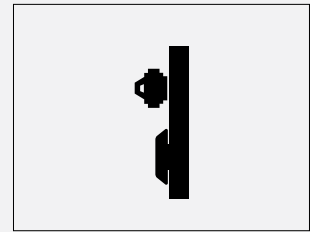
LBE
Lever, blank escutcheon

- Always operable (no cylinder)
- Electrified lever operation available



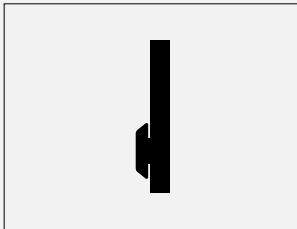
LDT
Lever, dummy trim

- Pull when dogged (not recommended for fire device)



TL
Turn lever

- Key locks and unlocks; or key unlocks, then relocks when key is removed (use with DT trim)
- 1-1/4" mortise cylinder



TLBE
Turn lever, blank escutcheon

- Blank escutcheon always operable (no cylinder, use with DT trim)

Please reference 78 & 75 Series Exit Devices Catalog for additional information on 70 series device options

3. OPTIONS

Dogging Options



Cylinder Dogging (CD)



Cylinder dogging is available on all 78 and 75 panic exit devices to replace the standard hex key dogging. Unit requires a standard 1-1/4" (32mm) mortise cylinder with an inverted straight cam. When ordering, reference Schlage cylinder 20-001, 1-1/4", XQ11-949. This provides the L583-477 cam inverted at the factory.

To order, specify:

- Use prefix, CD, example CD78L

Less Dogging (LD)

Less dogging is available in all 78 and 75 Panic exit devices to remove the dogging option.

To order, specify:

- Use prefix LD, example LD78L

Cylinder Dogging Kit* (CDK)

For field conversion, from hex key dogging, conversion kit is available.

*Cannot be added to fire exit hardware.

To order, specify:

- 78CDK or 75CDK, specify finish

Hex Key Dogging Kit* (HDK)



For field conversion, from cylinder dogging, conversion kit is available.

*Cannot be added to fire exit hardware.

To order, specify:

- 78HDK or 75HDK, specify finish

Dog Key

Dog key (standard)



5/32" (4mm) hex



Quick Survey

- Does your door need accessibility options?
- What type of dogging do you need?
- Is your door fire rated? Fire rated doors are required to be less dogging (LD).

Accessibility Options

Accessible Device (AX)

The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements.

Available devices include: AX-78, AX-78-F, AX-7827-LBR, AX-7827-F-LBR, AX-75, AX-75-F. Additionally, all AX devices will be shipped with a UL label clearly stating “Meets California Building Code (2013) Sec. 11B-309.4” and an “AX” identifier label on device center case. See images for reference.



Latches

Less Bottom Rod, Panic and Fire Rated (LBR)

LBR option is available on panic rated devices by eliminating the bottom rod, latch, and strike. LBR option is available on fire rated devices, using a spring loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. See UL fire exit hardware label and door opening size information within this catalog. Fits door stiles as narrow as 3-5/8".

Fire-rated LBR devices must be ordered in pairs or must be used in conjunction with an approved automatic or constant latching flush bolt.

Electrified Options

Latch Retraction

Quiet Electric Latch Retraction (QEL)

Quiet electric latch retraction (QEL) provides electronic control of an exit device for environments where limited operational noise is desired. 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 required on a panic rated QEL device, the hex dogging option is available, to order specify HD-QEL.

The QEL option is available on panic devices and fire rated devices. UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS902 or 914 power supply. The 900 Series power supply with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see 900 Series power supply for additional information. The QEL has a low in rush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

The -2RS option board is designed to control two electric latch retraction devices and provide time delay between the firing of outputs is required. The power transfer is also sold separately.

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

QEL Electrical Load

Voltage	24VDC
Current	1.0 A Inrush (0.5 sec.)/0.14 A Holding

Minimum Door Opening Widths*

Application	Surface Vertical	Concealed Vertical	Rim
Minimum door opening	29-1/2"	29-1/2"	30-1/2"

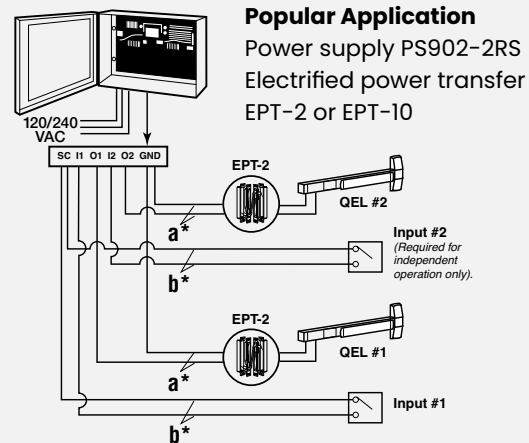
*For 3' devices. For 4' devices, add 6".

a* Distance (One-Way)	Wire Gauge
200'	18 AWG
320'	16 AWG
500'	14 AWG
800'	12 AWG

b* Wire Selection	Switch Wire Size
1200 ft. max	18 gauge standard

To order, specify:

- Standard — Use prefix QEL, example QEL78L



Quick Survey

- Do you desire electric latch retraction?
- Would you like to be able to monitor if the door is latched?
- Would you like to be able to monitor the use of the push pad?
- Do you desire to have an alarm when the door is used?
- Do you require electrified trim for remote locking/unlocking?

Alarm Kit



Alarm kit (ALK) is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibels.

For hardwire applications, the assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and dis-arming.

The key switch uses a standard 1-1/4" (32mm) mortise cylinder with a straight cam (Schlage 20-001, L583-477 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

Auto reset (AR) option comes standard with this kit. This feature allows the device to resume the alarm option after a preset time. Preset times can be field selected at 1.5, 3, or 4.5 minutes.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX. The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND." RSS push bar trim can be used instead of the door decal, specify RSS push bar trim when ordering the device.

When the ALK is used, standard dogging is removed. If cylinder dogging is required, the ALK can be moved to the hinge side of the device, and standard cylinder dogging (CD) can be added. Note size restrictions below.

Minimum Door Opening Sizes on ALK Applications

Device	3' (914mm) Length	4' (1219mm) Length
78/78-F/75/75-F	2' 11-1/2" (902mm)	3' 5-1/2" (1054mm)
7827/7827-F/7527/7527-F	2' 11-1/2" (902mm)	3' 5-1/2" (1054mm)
7847/7847-F/7547/7547-F	2' 10-1/2" (876mm)	3' 4-1/2" (1029mm)

To order, specify:

- Standard - when ordering full device with ALK, use ALK suffix with RX or LX prefix - Example: RX78EO ALK
- Available as a Kit for field installation specify series, size, finish, and switch desired - Example: 78 ALK 3' x finish x RX

Switches

Request to Exit (RX)

The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the push pad.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The RX switch option should not be used to control a load, but as a signaling switch (2 amps resistive maximum).

To order, specify:

- Standard – Use prefix RX, example RX78EO

Latch Bolt Monitoring (LX)

The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The LX switch option should not be used to control a load, but as a signaling switch (2 amps resistive maximum).

To order, specify:

- Standard – Use prefix LX, example LX78EO

Note: All switches can be either factory or field installed

Please reference 78 & 75 Series Exit Devices Catalog for additional information on 70 series device options

This page has been left intentionally blank

Allegion, the Allegion logo, Von Duprin, and the Von Duprin logo are trademarks of Allegion plc, its subsidiaries and/or affiliates in the United States and other countries. All other trademarks are the property of their respective owners.