Introduction

Exit devices are a critical part of the Fire and Life Safety egress system and will provide safe and reliable service when properly applied and maintained. Von Duprin designs and manufactures exit devices in accordance to ISO 9001 Quality Management System and meets or exceeds accepted U.S. domestic and International standards. All 22 Series exit devices are UL listed for Panic Hardware or Fire Hardware, and are certified to ANSI A156.3, Grade 1. Consult your local consultant or the Von Duprin factory for current listings.
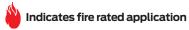
It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.

VON DUPRIN
Administrative offices
2720 Tobey Dr.
Indianapolis, IN 46219

Customer service
877-671-7011
800-999-0328 - Fax

Technical support
877-671-7011

Options and accessories

Applications & trim operation	Double door applications Door handing Outside trim operation Lever styles

Trim selection	Optional trim Lever designs Operation options

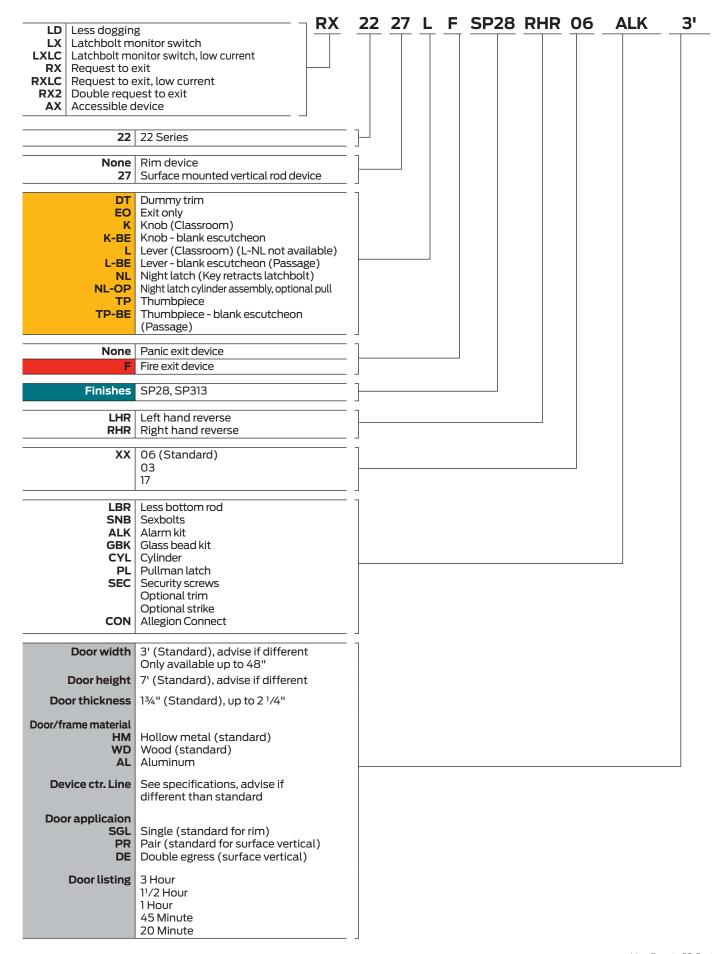| Strike options/ Stile information	Strikes Stiles

Electrical accessories	ALK – Alarm kit LX – Latch bolt monitoring RX – Request to exit RX2 – Double request to exit CON – Allegion Connect

Mechanical options	LBR – Less bottom rod LD – Less dogging PL – Pullman latch AX – Accessible device

Device accessories	Cover plate kit Cylinders EPT – Electrical power transfer GBK – Glass bead kit PS902 – Alarm kit power supply Rod and latch guards

Additional information	ANSI Function, grade & type Device, latch and rod dimensions UL fire labeling and opening size How-to-order information Popular double door applications Nomenclature

Finishes	Standard finishes

Symbols

Indicates fire rated application

Indicates ADA products

Nomenclature – how to order

Example order: RX 22 27 L F SP28 RHR 06 ALK 3'

Code	Description
LD	Less dogging
LX	Latchbolt monitor switch
LXLC	Latchbolt monitor switch, low current
RX	Request to exit
RXLC	Request to exit, low current
RX2	Double request to exit
AX	Accessible device

Code	Description
22	22 Series

Code	Description
None	Rim device
27	Surface mounted vertical rod device

Code	Description
DT	Dummy trim
EO	Exit only
K	Knob (Classroom)
K-BE	Knob - blank escutcheon
L	Lever (Classroom) (L-NL not available)
L-BE	Lever - blank escutcheon (Passage)
NL	Night latch (Key retracts latchbolt)
NL-OP	Night latch cylinder assembly, optional pull
TP	Thumbpiece
TP-BE	Thumbpiece - blank escutcheon (Passage)

Code	Description
None	Panic exit device
F	Fire exit device

Code	Description
Finishes	SP28, SP313

Code	Description
LHR	Left hand reverse
RHR	Right hand reverse

Code	Description
XX	06 (Standard)
	03
	17

Code	Description
LBR	Less bottom rod
SNB	Sexbolts
ALK	Alarm kit
GBK	Glass bead kit
CYL	Cylinder
PL	Pullman latch
SEC	Security screws
	Optional trim
	Optional strike
CON	Allegion Connect

Code	Description
Door width	3' (Standard), advise if different. Only available up to 48"
Door height	7' (Standard), advise if different
Door thickness	1¾" (Standard), up to 2 ¼"
Door/frame material	
HM	Hollow metal (standard)
WD	Wood (standard)
AL	Aluminum
Device ctr. Line	See specifications, advise if different than standard
Door applicaion	
SGL	Single (standard for rim)
PR	Pair (standard for surface vertical)
DE	Double egress (surface vertical)
Door listing	3 Hour
	1¹/2 Hour
	1 Hour
	45 Minute
	20 Minute

22 Electrical options

Power supplies

PS902

Overview:

The PS902 is an AC power supply that provides 24 VDC power to operate the ALK alarm kit. The unit will power up to 6 alarm kits.

Note: PS902-BB provides power in case of an AC power failure.

EPT Electrical power transfer

Electric Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.

Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires.

Door applications:

up to   5" butt hinges – 180˚ swing,
            5 ½" butt hinges – 130˚ swing,
            6" butt hinges – 110˚ swing,
            $^3/_4$" butt offset pivots 180˚ swing.
Swing clear hinge – 90º max. swing

Finishes to order, specify:

SP28 (sprayed aluminum)   1. EPT-2 or EPT-10.

SP313 (sprayed duranodic).   2. Finish, SP28 or SP313.

Dimensions

Housing	9" x 1$^1/_4$" x 1$^5/_8$" (229mm x 32mm x 38 mm)
EPT-2	Two 18 gauge wires, Up to 2 AMPS @ 24 VDC with a 16 amp maximum surge
EPT-10	Ten 24 gauge wires, up to 1 amp @ 24 VDC with a 16 amp maximum surge

22 Electrical options

RX Request to exit

The RX (Request to exit) feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.

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 signalling switch (0.5 amps. resisitive maximum).

The RX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – Use prefix RX, example RX22EO
- Low Current – Use prefix RX-LC, example RX-LC22EO

RX2 Double request to exit

The RX2 feature uses two RX switches.

To order, specify:

- Standard – Use prefix RX2, example RX22EO

LX Latchbolt monitoring

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 signalling switch (0.5 amps. resisitive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – use prefix LX, example LX22EO
- Low Current – use prefix LX-LC, example LX-LC22EO

Electrical rating for all switches:

- Standard – up to 0.5 Amp @ 24VDC Maximum
- Low Current (LC) - up to 0.5 Amp @ 24VDC Maximum

Note: All switches can be either factory or field installed

ALK Alarm kit

The ALK battery alarm kit 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. The horn is rated at 85 decibel.

For hardware 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, B502-191 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.

The alarm can automatically re-arm with a 1.5, 3 or 4.5 minute time delay upon request.

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.

To order, specify:

1. Standard, ALK
2. If AR desired, specify AR 1.5, 3 or 4.5

Minimum door opening sizes on ALK applications

Refer to device pages 8, 10, 12, and 14.