## **VON DUPRIN**



**98 and 99 rim exit devices** for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (Special Dogging), -2 (Double Cylinder) or SS (Signal Switch). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

**Finishes** – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

## Specifications

Device Functions drive screw from device.       Device shaps EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.       XI Extra Protection dive screw from device.       Eff(ES96L) Extra Protection diverses device	Specifications			
Device Lengths       3'' 2'' to 3'' (711mm to 914 mm) Door Size       4'' 2'10'' to 4'' (664 mm to 1219 mm) Door Size         Device Centerline       39''%e'' (1011 mm)       39''%e'' (1008 mm) with Mullion       - constraints of the second se	Device Functions		Extra Protection	Electrified Breakaway
Device Centerine       39 % (1011 mm)       condition         from Finished Floor       39 % (1011 mm)       condition         Center Case       8° x 23% * x 23% (203mm x 70mm x 60mm)       Cell       Cell         Mechanism Case       21% * x 21% (57mm x 57mm)       Dimensions       Bolt retraction via witch         Projection       Pushbar Neutral – 31% (97 mm)       Bolt retraction via witch       Dimensions       Projection         Latch Bolt       Deadlocking, % (19mm) throw       Bolt retraction via witch       Comsets exit door to push-pull operation       Projection         Fasteners & See       Includes screw pack for 1% (44mm) and 21% (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.       CK       RX         Electric Options       LX       Latchbolt Monitor Switch       Projectic Latch Retraction       9 spist hot monitor pushpad         X2       Double Pushpad Monitor Switch       E       Electric Latch Retraction       9 spist hot monitor pushpad         X2       Double Pushpad Monitor Switch       E       Electric Latch Retraction       9 spist hot monitor pushpad         Mechanical Options       -2       Double Cylinder       Cell case Bead Kit       PN         Mechanical Options       -2       Double Cylinder       Pushpat Monitor Switch       Set and and spiss Set Bead Kit </th <th>Device Lengths</th> <th></th> <th>contact</th> <th>Electrified remote locking/unlocking</th>	Device Lengths		contact	Electrified remote locking/unlocking
Dimensions       CPL         Mechanism Case Dimensions       2½" x 2½" (57mm x 57mm)         Projection       Pushbar Neutral – 3³%e" (97 mm) Pushbar Depressed – 3%e" (78 mm)         Latch Bolt       Deadlocking, ¾" (19mm) throw         Fasteners & Sex Bolts (SNB)       Includes screw pack for 1¾" (44mm) and 2¼" (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.       CX         Electric Options       LX       Latch Bolt Monitor Switch RX Pushpad Monitor Switch RX Pushpad Monitor Switch RX Duble Pushpad Monitor Switch CX       Cel Quiet Electric Latch Retraction gen as the sy option of a 25 SNB available, see page 9 for quantities.         Mechanical Options       -2       Double Cylinder GBK Class Bead Kit PN Preumatic Latch Retraction XP Extra Protection SSE Sec Security Screws         Dogging Feature Dogging Options       Hex key dogging standard CD Cylinder Dogging D Dogging Indicator CI Cylinder Dogging Indicator CI Cylinder Dogging Indicator       PN			2,000+ lbs.	
DimensionsDimensionsRetractionProjectionPushbar Neutral – 31%e" (97 mm) Pushbar Depressed – 31%e" (78 mm) Deadlocking, ¾" (19mm) throw- Gonverts exit door to switch- Replace Spig awitch- Replace Spig awitchLatch BoltDeadlocking, ¾" (19mm) throw- Gonverts exit door to pushpaul operation- Replace Spig awitch- Replace Spig awitch- Replace Spig awitchFasteners & Sex Bolts (SNB)Includes screw pack for 1%" (44mm) and 2½" (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities Replace Spig awitch- Replace Spig awitch- Replace Spig awitchElectric OptionsLX L Latchbolt Monitor Switch RX 2 Double Pushpad Monitor Switch RX2 Double Pushpad Monitor Switch RX Auterproof Request to Exit- Retraction agains witch c C Chexit Delayed Exit ALK Alarm Exit Kit WP-RX Waterproof Request to Exit- Retraction agains witch c C Chexit Delayed Exit ALK Alarm Exit Kit PN Pneumatic Latch Retraction SB Sex Bolts SEC Security Screws- Replace Spig adained c C Cylinder Dogging s Special Center Case Dogging D Dogging Indicator- Replace Spig adained c Converts exit door to amite doed and control pushpal Depression available by special order available by special orderDogging OptionsCD Cylinder Dogging Indicator CD Cylinder Dogging Indicator- Replace Spig Braile Enbosed and Retraction c C Cylinder Dogging IndicatorDogging OptionsCD Cylinder Dogging Indicator CL Cylinder		8" x 2¾" x 2¾" (203mm x 70mm x 60mm)	QEL	CD
Projection       Pushbar Neutral - 3'%e" (78 mm)         Pushbar Depressed - 3'%e" (78 mm)         Latch Bolt       Deadlocking, %4" (19mm) throw         Fasteners & Sex       Includes screw pack for 1%" (44mm) and 2%" (57mm)         thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.       CX         Electric Options       LX       Latchbolt Monitor Switch         RX2       Double Pushpad Monitor Switch       RX2         RX2       Double Pushpad Monitor Switch       Self-contained control, locking a Unlocking Trim         EL       Electric Locking & Unlocking Trim       EL       Electric Latch Retraction         QEL       Quiet Electric Latch Retraction       Self-contained control, locking, alam       Self-contained control, locking, alam         Mechanical Options       -2       Double Cylinder       Sass Bad Kit       Harm Exit Kit         VP-RX       Waterproof Request to Exit       -14 Retraction       Self-contained control, locking alam       SRA_EMB, KN, SG         PN       Pneumatic Latch Retraction       SRA       Self-contained control, locking alam       SRA_EMB, KN, SG         Dogging Peature       Pox key dogging standard       CD       Cylinder Dogging       Pneumatic Latch Retraction         SD       Special Center Case Dogging       DD       Less Dogging <t< th=""><th></th><th>2¼" x 2¼" (57mm x 57mm)</th><th>Retraction</th><th>Replaces hex key</th></t<>		2¼" x 2¼" (57mm x 57mm)	Retraction	Replaces hex key
Latch Bolt       Deadlocking, ¾" (19mm) throw         Fasteners & Sex Bolts (SNB)       Includes screw pack for 1¾" (44mm) and 2¼" (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.       Includes screw pack for 1¾" (44mm) and 2¼" (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.       Includes screw pack for 1¾" (44mm) and 2¼" (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.       INCLUDES SNB available, see page 9 for quantities.         Electric Options       LX       Latchbolt Monitor Switch RX       Duble Pushpad Monitor Switch RX       Self-contained controls, locking, alarm       Pushpad Monitor Syntch to monitor pushpad         ØEL       Quiet Electric Latch Retraction SS       Signal Switch CX       EL       Electric Latch Retraction SS       Signal Switch CX       ALK         Mechanical Options       -2       Double Cylinder GBK Class Bead Kit PN Pneumatic Latch Retraction SNB Sex Bolts SEC Security Screws       PN       Pneumatic Latch Retraction SNB Sex Bolts       SEC       Security Screws         Dogging Options       CD Cylinder Dogging SD Special Center Case Dogging LD Less Dogging DI Dogging Indicator CI Cylinder Dogging Indicator       FN       Pneumatic Latch Retraction Sorte metal devices available by special order	Projection		switch <ul> <li>Converts exit door to</li> </ul>	Requires standard 11/4"
Bolts (SNB)       thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.         Electric Options       LX       Latchbolt Monitor Switch RX       Pushpad Monitor Switch RX2       Double Pushpad Monitor Switch RX2       Ouble Pushpad Monitor Switch RX2       Self-contained controls, locking, alarm       Self-contalack controls, locking, alarm <t< th=""><th>Latch Bolt</th><th>Deadlocking, ¾" (19mm) throw</th><th>pusn-pull operation</th><th></th></t<>	Latch Bolt	Deadlocking, ¾" (19mm) throw	pusn-pull operation	
Electric OptionsLXLatcholt Monitor Switch RXSwitch RXSwitch requirementsRXPushpad Monitor Switch RX2Double Pushpad Monitor Switch E- Self-contained controls, locking, alarm- Signals use of an openingEElectric Locking & Unlocking Trim ELElectric Latch Retraction QELQuiet Electric Latch Retraction SS- Signals use of an openingQELQuiet Electric Latch Retraction QELQuiet Electric Latch Retraction SS- Signals use of an openingMechanical Options-2Double Cylinder GBK Glass Bead Kit PN-2Double Cylinder CD-2Electric Latch Retraction Methatic Latch Retraction SNB Sex Bolts SEC Security Screws-2Double Cylinder Case Dogging D-3Electric Latch RetractionDogging OptionsCDCylinder Dogging D-2Cylinder Dogging D-2Electric Latch Retraction Methatic Latch Retraction SD-2Electric Latch Retraction RetractionDogging OptionsCDCylinder Dogging D-2-2Electric Latch Retraction Retraction-3-3Dogging IndicatorCDCylinder Dogging Indicator-3-3-3-3Dogging Indicator-1-2Cylinder Dogging Indicator-3-3<		thick metal or wood doors. Optional 425 SNB available,		
CXChexit Delayed Exit ALKAlarm Exit KitAlarm Exit KitALKAlarm Exit KitAlarm Exit KitInauthorized opening triggers 85-decibel hornMechanical Options-2Double Cylinder GBK Glass Bead Kit PN-2Double Cylinder PN-2Alarm Exit KitUnauthorized opening triggers 85-decibel hornDogging Feature Dogging Options-2Double Cylinder Dogging SDSpecial Center Case Dogging SDPneumatic Latch RetractionPNDogging OptionsCDCylinder Dogging SDSpecial Center Case Dogging DI-5Preumatic ducies elaction-8Dogging Indicator CICylinder Dogging Indicator-5Special linkage for mechanical or pneumatic dogging-6	Electric Options	RXPushpad Monitor SwitchRX2Double Pushpad Monitor SwitchEElectric Locking & Unlocking TrimELElectric Latch RetractionQELQuiet Electric Latch RetractionSSSignal Switch	Meets NFPA 101 requirements     Self-contained controls, locking, alarm	<ul> <li>Signals use of an opening</li> <li>SPDT switch to monitor pushpad</li> </ul>
GBK Glass Bead Kit       - Alternative to manual dogging       disarmed mode by key         PN       Pneumatic Latch Retraction       - Alternative to manual dogging       disarmed mode by key         SNB Sex Bolts       SEC Security Screws       PN       Pneumatic Latch       BRA, EMB, KN, SG         Dogging Feature       Hex key dogging standard       Pneumatic Latch       Braille, Embossed and Knurled Touchpads         Dogging Options       CD       Cylinder Dogging       - For areas where electrical devices banned       - Braille cuchpad endstained         LD       Less Dogging       Di       Dogging Indicator       - Special linkage for mechanical or pneumatic dogging       - Other messages available by special order	Mechanical Ontions	ALK Alarm Exit Kit WP-RX Waterproof Request to Exit	Electric Latch Retraction • Enables remote	Alarm Exit Kit • Unauthorized opening triggers 85-decibel horn
Dogging Feature       Hex key dogging standard       Retraction       Knurled Touchpads         Dogging Options       CD       Cylinder Dogging       - For areas where electrical devices banned       - Braille touchpad embosed with "Caution Stairwell"         SD       Special Center Case Dogging       - D       - Special linkage for mechanical or pneumatic dogging       - Other messages available by special order		GBKGlass Bead KitPNPneumatic Latch RetractionXPExtra ProtectionSNBSex Bolts	dogging PN	disarmed mode by key BRA, EMB, KN, SG
SD       Special Center Case Dogging       electrical devices banned       electrical devices banned       embossed with "Caution Stairwell"         LD       Less Dogging       · Special linkage for mechanical or pneumatic dogging       · Other messages available by special order	Dogging Feature	Hex key dogging standard		Braille, Embossed and Knurled Touchpads
Strikes 299 – Dull Black	Dogging Options	SDSpecial Center Case DoggingLDLess DoggingDIDogging Indicator	electrical devices banned • Special linkage for mechanical or	embossed with "Caution Stairwell" • Other messages
	Strikes	299 – Dull Black		



The 299 Strike ships standard, optional strikes available

Hex key dogging comes standard on 98/99 Rim Exit Devices

