

## 98/99 Series

### Exit Device

#### OVERVIEW

The Von Duprin® 98/99 devices are heavy-duty push pads. The 98 Series has a smooth mechanism case, while the 99 Series has a grooved mechanism case. The 98/99 Series has been certified to the highest industry standards and are used in schools, hospitals and government buildings.



98 Series features smooth mechanism case



99 Series features grooved mechanism case

#### DEVICE TYPES



Rim device



75  
Mortise lock device



27  
Surface mounted vertical rod device<sup>1</sup>

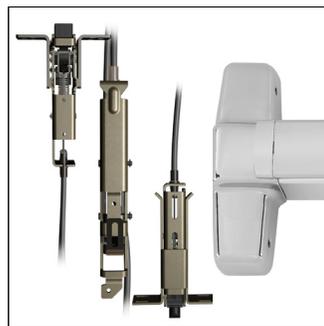


47  
Concealed vertical rod device,  
5/16" throw<sup>1</sup>

48  
Concealed vertical rod device,  
5/8" top, 1-1/2" bottom throw



47WDC  
Concealed vertical rod wood door device<sup>1</sup>



49  
Concealed vertical cable device<sup>2</sup>



50WDC  
Concealed vertical cable wood door device



57  
Three-point latch device

<sup>1</sup> Also available less bottom rod (LBR)

<sup>2</sup> Also available less bottom latch (LBL)

## FINISHES



605  
Bright Brass



606  
Satin Brass



612  
Satin Bronze



619  
Satin Nickel



622  
Matte Black



625  
Bright Chrome



626  
Satin Chrome



626AM  
Satin Chrome,  
Antimicrobial



628  
Aluminum, Clear  
Anodized



630  
Satin Stainless



630AM  
Satin Stainless,  
Antimicrobial



643e  
Aged Bronze



693  
Black



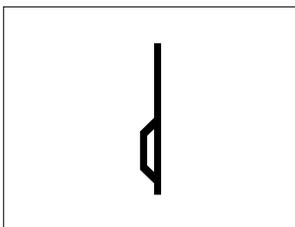
710  
Dark Brown,  
Anodized

TRIM FUNCTIONS



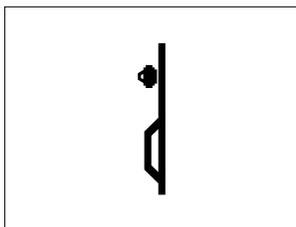
EO  
No Outside Trim

- Exit only



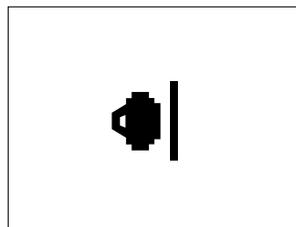
DT  
Dummy Trim

- Pull when dogged (not recommended for fire device)



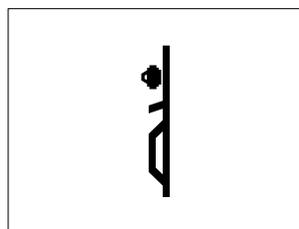
NL  
Night Latch

- Key retracts latchbolt
- Rim and 1-1/4" mortise cylinder



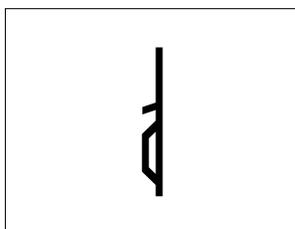
NLOP  
Night Latch

- Key retracts latchbolt, pull required



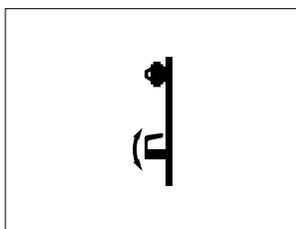
TP  
Thumbpiece

- Key locks and unlocks
- Rim and 1-1/4" mortise cylinder



TPBE  
Thumbpiece, Blank escutcheon

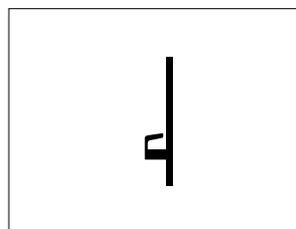
- Blank escutcheon always operable (no cylinder, use with DT trim)



L  
Lever

K  
Knob

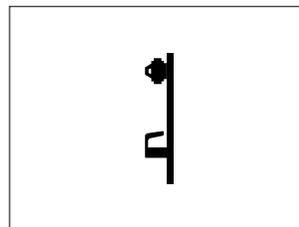
- Key locks and unlocks
- Rim and 1-1/4" mortise cylinder
- Handed, reversible lever
- Electrified lever operation available



LDT  
Lever, dummy trim

KDT  
Knob, dummy trim

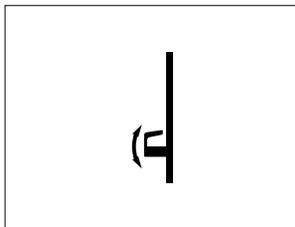
- Pull when dogged



LNL  
Lever, Night latch

KNL  
Knob, night latch

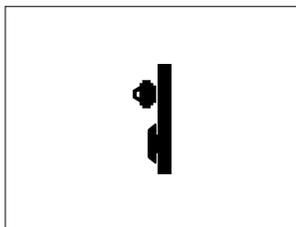
- Key retracts latchbolt
- Rim and 1-1/4" mortise cylinder
- Handed, reversible lever



LBE'  
Lever, Blank escutcheon

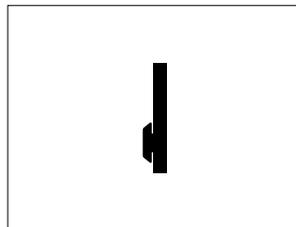
KBE  
Knob, blank escutcheon

- Always operable (no cylinder)



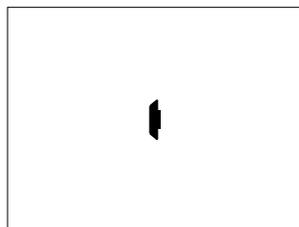
TL  
Turn Lever

- Key locks and unlocks (use with DT trim)
- 1-1/4" mortise cylinder

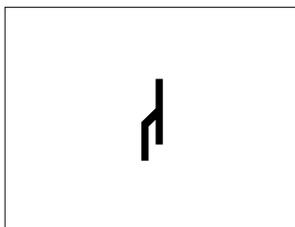


TLBE  
Turn Lever, Blank escutcheon

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



TLOP  
Turn lever, optional pull



HL  
Hospital latch

- Key locks and unlocks
- 1-1/4" mortise cylinder

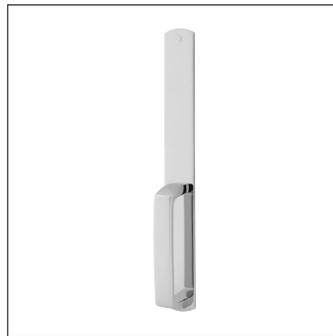
TRIM STYLES



374



392-7



696



697  
3/4" (19mm) diameter pull



990



996



HL



VR910



VR914

Dimensions

Trim Style	Width	Height	Thickness	Projection
990	3"	14-3/16"	3/32"	2"
996 Knob	2-3/4"	10-3/4"	27/32"	3-1/4"
996 Lever	2-3/4"	10-3/4"	27/32"	2-7/8"
696	1-5/8"	13-1/2"	3/16"	2-1/6"
697	1-5/8"	13-1/2"	3/16"	3"
392-7	3/4" inch round stainless steel with 7" center to center that matches the 98/99 center case. 3-1/2" offset with 1-1/2" clearance			
HL	2-9/16"	7-7/8"	-	2-5/8"
374	2-3/4"	10-3/4"	27/32"	
VR910/914 with RIM/verticals	5-1/2"	11"	-	
VR910/914 with mortise	7-1/4"	11"	-	

## LEVER STYLES

### Decorative Levers



M51

- Knurling available



M52

- Knurling available



M53



M54



M55



M56



M57<sup>1</sup>



M61

- Handed

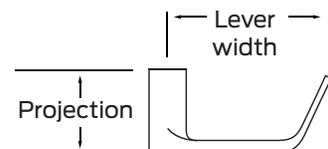


M62<sup>1</sup>

- Handed

#### Dimensions

Lever	Width	Projection
M51	4.5"	2.5"
M52	4.5"	2.4"
M53	4.4"	2.4"
M54	4.4"	2.3"
M55	4.4"	2.7"
M56	4.5"	2.3"
M57	4.5"	2.7"
M61	4.5"	2.7"
M62	4.6"	2.4"



<sup>1</sup> Available in stainless steel substrate only

## LEVER STYLES

### Decorative Levers



M63

- Handed



M81

- Knurling available



M82



M83



M84



M85

- Handed



ME1<sup>1</sup>

- Handed



ME2<sup>1</sup>

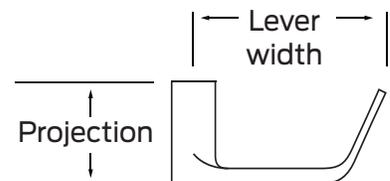
- Handed



ME3<sup>1</sup>

#### Dimensions

Lever	Width	Projection
M63	4.6"	2.6"
M81	4.8"	2.5"
M82	4.9"	2.5"
M83	4.7"	2.25"
M84	5.1"	2.2"
M85	4.9"	2.7"
ME1	5.4"	2.6"
ME2	5.2"	2.4"
ME3	5"	2.8"



<sup>1</sup> Designed with Gensler as product design consultant

## LEVER STYLES

### Decorative Levers



01



02

- Knurling available



03

- Knurling available



05



06

- Default lever
- Suites with Schlage® Rhodes
- Knurling available



06

- Suites with Schlage Athens



12

- Handed

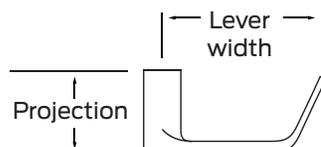


16

- Suites with Schlage Omega

### Dimensions

Lever	Width	Projection
01	4.0"	2.1"
02	4.75"	2.3"
03	4.75"	2.813"
05	3.75"	2.8"
06	4.7"	2.1"
07	4.6"	2.3"
12	4.3"	2.9"
16	5.05"	2.66"



<sup>1</sup> Available in stainless steel substrate only

## LEVER STYLES

### Standard Levers



17  

- Suites with Schlage Sparta
- Knurling available



18



Accent (ACC)  

- Handed



Asti (AST)  

- Handed



Merano (MER)  

- Handed



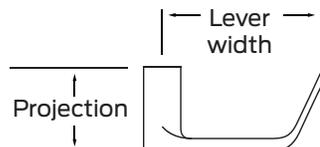
Latitude (LAT)



Longitude (LON)

### Dimensions

Lever	Width	Projection
17	4.7"	2.3"
18	4.75"	2.4"
Accent (ACC)	4.4"	3.1"
Asti (AST)	4.2"	2.5"
Merano (MER)	4.1"	2.5"
Latitude (LAT)	4.6"	2.3"
Longitude (LON)	4.9"	2.3"



## ELECTROMECHANICAL DEVICE OPTIONS

Switches	
LX	<b>Latchbolt Monitoring</b>
LX-LC	<b>Latchbolt Monitoring, low current</b>
	<ul style="list-style-type: none"> <li>• Signals use of an opening</li> <li>• SPDT switch to monitor latch bolt</li> <li>• 2 A maximum @ 24VDC; below 50 mA @ 24VDC for low current option</li> </ul>
RX	<b>Request to Exit</b>
RXLC	<b>Request to Exit - low current</b>
RX2	<b>Double request to exit - 2 RX switches</b>
WP-RX	<b>Waterproof Request to Exit (available with OUT option for Rim and SV)</b>
RX-AUX	<b>RX to RX-2 Conversion</b>
	<ul style="list-style-type: none"> <li>• Signals use of an opening</li> <li>• SPDT switch to monitor pushpad</li> <li>• 2 A maximum @ 24VDC; below 50 mA @ 24VDC for low current option</li> </ul>
LX-RX	<b>Request to Exit/Latchbolt Monitoring Combination</b>
LX-RX-LC	<b>Request to Exit/latchbolt monitoring combination, low current</b>
	<ul style="list-style-type: none"> <li>• 2 A maximum @ 24VDC; below 50 mA @ 24VDC for low current option</li> </ul>
SS	<b>Signal Switch</b>
	<ul style="list-style-type: none"> <li>• Monitors pushpad and latchbolt</li> <li>• Signals unauthorized use of an opening</li> <li>• Switch makes latch bolt tamper-resistant</li> <li>• Up to 2.0 A @ 24VDC</li> </ul>

Latch Retraction	
QEL	<b>Quiet Electric Latch Retraction</b>
HD-QEL	<b>Quiet Electric Latch Retraction with Hex Dogging</b>
SD-QEL	<b>Quiet Electric Latch Retraction with Special Center Case Dogging</b>
	<ul style="list-style-type: none"> <li>• Bolt retraction via switch</li> <li>• Converts exit door to push-pull operation</li> <li>• Voltage: 24VDC</li> <li>• Current: 1.0 A inrush (0.5 sec.) / 0.14 A holding</li> </ul>

Delayed Egress	
CX	<b>Chexit Delayed Exit</b>
	<ul style="list-style-type: none"> <li>• Meets NFPA 101 requirements</li> <li>• Self-contained controls, locking, alarm</li> <li>• Input voltage: 24VDC</li> <li>• Input current inrush: 1.25 A</li> <li>• Input current holding: 390 mA</li> <li>• Alarm relay and secure relay contact ratings: 24 VDC, 1 A</li> </ul>
CX-RCM	<b>Chexit Remote Module</b>
	<ul style="list-style-type: none"> <li>• Chexit for smaller doors that can not accommodate a standard Chexit device</li> <li>• Size: 3.75" x 5.57" x 2.50"</li> <li>• Input voltage: 24VDC</li> <li>• Input current inrush: 1.25A</li> <li>• Input current holding: 390mA</li> <li>• Alarm relay and secure relay contact ratings: 24 VDC, 1 A</li> </ul>

Miscellaneous	
ALK	<b>Alarm Exit Kit</b>
	<ul style="list-style-type: none"> <li>• Unauthorized opening triggers 85-decibel horn</li> <li>• Set in armed or disarmed mode by key</li> <li>• Assembly includes both a 24VDC input and external inhibit</li> </ul>
CON	<b>Allegion Connect</b>
	<ul style="list-style-type: none"> <li>• Common connectors to connect various door hardware all the way to the power supply</li> </ul>
M996	<b>Electric Locking and Unlocking Trim</b>
E7500	<b>Electric Mortise Lock Device</b>

## ELECTROMECHANICAL DEVICE OPTIONS

Matrix shows available options per device type but does not represent compatibility across multiple options.

	Switches									Latch Retraction			Delayed Egress		Misc			
	LX	LX-LC	RX	RXLC	RX2	WP-RX	LX-RX	LX-RX-LC	SS	QEL	HD-QEL	SD-QEL	CX	CX-RCM	ALK	CON	M996	Mortise
98 99	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
98F 99F	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	
XP98 XP99		•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	
XP98-F XP99-F		•	•	•	•	•	•	•		•			•	•	•	•	•	
9875 9975			•	•	•	•			•	•	•	•	•	•	•	•	•	•
9875-F 9975-F			•	•	•	•			•	•			•	•	•	•	•	•
9827 9927	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
9827-F 9927-F	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	
9857 9957	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
9857-F 9957-F	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	
9847 9947	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
9847-F 9947-F	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	
9848 9948	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
9848-F 9948-F	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	
9849 9949	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
9849-F 9949-F	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	
9847WDC 9947WDC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
9847WDC-F 9947WDC-F	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	
9850WDC 9950WDC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
9850WDC-F 9950WDC-F	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	

<sup>1</sup> For 98/9949 devices, LX switch monitors trim input or electric dogging of QEL devices. LX switch does not monitor latchbolt condition.

## MECHANICAL DEVICE OPTIONS

Dogging	
CD	Cylinder Dogging, panic only
CD-CX	Center Case Cylinder Dogging for Chexit Devices
CI	Cylinder Dogging Indicator <ul style="list-style-type: none"> <li>Battery-operated dogging indicator in cylinder format with red light visible from over 75 feet away</li> </ul>
DI	Dogging Indicator <ul style="list-style-type: none"> <li>Battery-operated dogging indicator in hex format with red light visible from over 75 feet away</li> </ul>
LD	Less Dogging
SD	Special Center Case Dogging <ul style="list-style-type: none"> <li>Center case cylinder dogging</li> </ul>

Classroom Security	
-2	Double Cylinder <ul style="list-style-type: none"> <li>Inside key cylinder locks/unlocks outside trim</li> </ul>
-2SI	Double Cylinder with Security Indicator <ul style="list-style-type: none"> <li>Inside key cylinder locks/unlocks outside trim with visible indicators that provide status of door</li> </ul>
CDSI	Cylinder Dogging with Indicator <ul style="list-style-type: none"> <li>Provides visible lock/unlock indicators showing whether device is dogged or undogged</li> </ul>
HDSI	Hex Dogging with Indicator <ul style="list-style-type: none"> <li>Provides visible lock/unlock indicators showing whether device is dogged or undogged</li> </ul>

Environmental	
PN	Pneumatic Latch Retraction <ul style="list-style-type: none"> <li>For areas where electrical devices banned</li> <li>Special linkage for mechanical or pneumatic dogging</li> </ul>
QM	Quiet Mechanical Option <ul style="list-style-type: none"> <li>Provides damper-controlled relatching of device</li> </ul>
INS	Insulclad Kits <ul style="list-style-type: none"> <li>Kits with longer fasteners or parts for Insulclad doors</li> </ul>
AM	Anti-Microbial Finish

Weatherized	
OUT	Outdoor Defense <ul style="list-style-type: none"> <li>Helps protect against moisture, temperature variations and corrosion.</li> <li>Electromechanical options available (i.e. - QEL, ALK, CX, and RX, LX options for OUT)</li> <li>Weep Holes (available with OUT products)</li> <li>Drainage (weep) holes in mechanism case</li> </ul>
WS	Windstorm <ul style="list-style-type: none"> <li>Severe weather certified/tested</li> <li>FEMA and ICC compliant</li> <li>Tornado and hurricane tested</li> </ul>

California Code	
AX	Accessible Device <ul style="list-style-type: none"> <li>UL certified to meet new 5 lb. maximum operating force requirement</li> </ul>

Latches	
PL	Pullman Latch <ul style="list-style-type: none"> <li>Latches are always extended</li> <li>Most commonly used in conjunction with electric strikes and LBR-less bottom rod application</li> </ul>

Touch Bar Trim	
RSS	Red Silk Screen <ul style="list-style-type: none"> <li>Red silk-screened lettered touchbar trim</li> </ul>
PUSH	PUSH <ul style="list-style-type: none"> <li>Touchbar trim embossed PUSH</li> </ul>
SG	Safety Glow <ul style="list-style-type: none"> <li>Self-illuminating touchpad</li> <li>Glow brightly during low or no light conditions</li> </ul>
KN	Knurled Touchbar <ul style="list-style-type: none"> <li>Tactile warning applied to device</li> </ul>
BRAILLE	Braille <ul style="list-style-type: none"> <li>Vision impaired touchpad</li> <li>Raised letter and Braille</li> </ul>

## ELECTROMECHANICAL DEVICE OPTIONS

Matrix shows available options per device type but does not represent compatibility across multiple options.

	Dogging						Classroom Security				Environmental			Weatherized		CA Code		
	CD	CD-CX	CI	DI	LD	SD	-2	-2SI	CDSI	HDSI	PN	QM	INS	AM	OUT	WH	WS	AX
98 99	•	•	•	•	•	•	•	•	•	•	•			•	•	• <sup>1</sup>		•
98F 99F							•	•			•	•		•	•	• <sup>1</sup>		•
XP98 XP99	•	•	•	•	•	•	•	•	•					•		•		•
XP98-F XP99-F							•	•						•		•		•
9875 9975	•	•	•	•	•	•	•		•	•	•			•		•		
9875-F 9975-F							•							•		•		
9827 9927	•	•	•	•	•	•			•	•	•	•		•	•	• <sup>1</sup>	•	• LBR
9827-F 9927-F											•	•		•	•	• <sup>1</sup>	•	• LBR
9857 9957	•	•	•	•	•	•			•	•	•			•		•	•	
9857-F 9957-F											•			•		•	•	
9847 9947	•	•	•	•	•	•			•	•	•		•	•		•		• LBR
9847-F 9947-F											•			•		•		• LBR
9848 9948	•	•	•	•	•	•			•	•	•			•		•		
9848-F 9948-F											•			•		•		
9849 9949	•	•	•	•	•	•			•	•	•		•	•		•		• LBL
9849-F 9949-F											•			•		•		• LBL
9847WDC 9947WDC	•	•	•	•	•	•			•	•	•			•		•		
9847WDC-F 9947WDC-F											•			•		•		
9850WDC 9950WDC	•	•	•	•	•	•			•	•	•			•		•		• LBL
9850WDC-F 9950WDC-F											•			•		•		• LBL

<sup>1</sup> Outdoor Defense, OUT, required

### ELECTROMECHANICAL DEVICE OPTIONS

Matrix shows available options per device type but does not represent compatibility across multiple options.

	Latches		Touch Bar Trim			
	PL	RSS	PUSH	SG	KN	BRaille
98 99		•	•	•	•	•
98F 99F		•	•	•	•	•
XP98 XP99		•	•	•	•	•
XP98-F XP99-F		•	•	•	•	•
9875 9975		•	•	•	•	•
9875-F 9975-F		•	•	•	•	•
9827 9927	•	•	•	•	•	•
9827-F 9927-F		•	•	•	•	•
9857 9957		•	•	•	•	•
9857-F 9957-F		•	•	•	•	•
9847 9947	•	•	•	•	•	•
9847-F 9947-F		•	•	•	•	•
9848 9948		•	•	•	•	•
9848-F 9948-F		•	•	•	•	•
9849 9949		•	•	•	•	•
9849-F 9949-F		•	•	•	•	•
9847WDC 9947WDC		•	•	•	•	•
9847WDC-F 9947WDC-F		•	•	•	•	•
9850WDC 9950WDC		•	•	•	•	•
9850WDC-F 9950WDC-F		•	•	•	•	•

Specifications	
Accessibility	<ul style="list-style-type: none"> <li>Force to depress push pad                             <ul style="list-style-type: none"> <li>AX device: 5 lbs</li> <li>Standard device: 15 lbs</li> </ul> </li> <li>Push pad projection                             <ul style="list-style-type: none"> <li>Neutral: 3-13/16" (97 mm)</li> <li>Depressed: 3-1/16" (78 mm)</li> </ul> </li> </ul>
Certifications/ approvals	All Von Duprin 98/99 exit devices are ANSI/BHMA Certified. Please refer to the BHMA Certified Products Directory for specific listings.
Mounting height	39-13/16" (1011 mm) 39-11/16" (1008 mm) with mullion

### DIMENSIONS

