



Wireless Access

Model WA993

Exit Trim

Overview

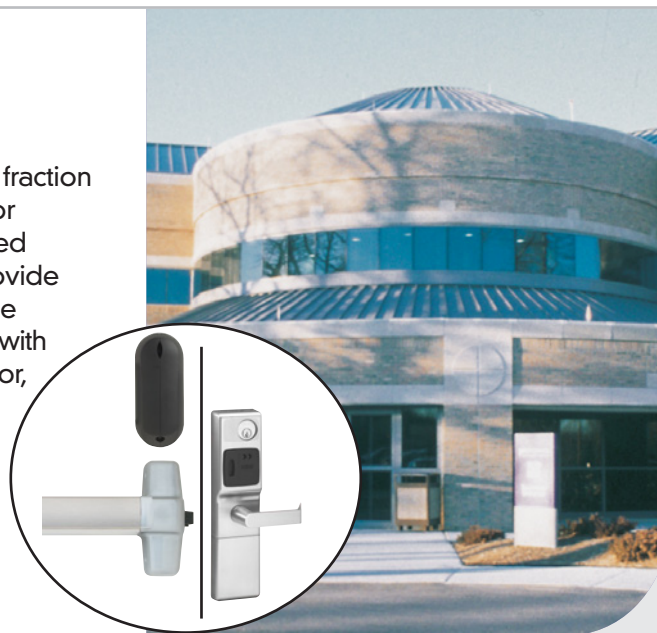
Provide online access control to entrance/exit doors in a fraction of the time using the WA993 exit trim. Interfacing to new or existing Von Duprin series 98/99 exit bars, battery-powered WA993s eliminate wiring to and around the door and provide the features you need for most exit bar applications. These include mag stripe or HID proximity reader, trim faceplate with electric lock, door position switch and request-to-exit sensor, as well as the RF transceiver with extended-life battery pack. The WA993 is available for rim, concealed vertical rod, and surface vertical rod exit devices, and utilizes secure 900 MHz spread spectrum communications to eliminate up to 200 feet of wiring between the door and an access control panel.

Security and Reliability

Secure, reliable communications result from several technological advances and incorporated features. Security is maintained as the WA993 utilizes Spread Spectrum transmissions, which are encoded with 128-bit keys, to yield a system that is virtually uncompromisable. In addition, scalability is essentially unlimited as each wireless exit trim has nearly a million addresses to choose from during the linking process. Modulo 256 error detection maintain data integrity on each transmission. Periodic "heartbeat" signals assure good communications are maintained. Lastly, Dynamic Channel Switching overcomes harsh RF environments by automatically changing channels to avoid potential interference.

Longevity

Monitored in real-time, the battery pack lasts up to four years with as many as 10,000 card swipes per year, or up to two years with up to 40,000 swipes per year. An early-warning "low-battery" trouble signal is given long before the battery is depleted.



ORDERING INFORMATION

WA993 – Wireless Exit Trim

Note: See configuration chart to build the exact trim model to meet your specifications.

FEATURES

- Wireless, no more wiring to or at the door
- Includes request to exit sensor and door position switch
- Wiegand or Magnetic Stripe interface
- Available with magnetic stripe or HID proximity readers
- 128-bit encoded spread spectrum transmissions
- High power, high sensitivity
- 900 MHz Spread Spectrum RF technology
- Flash memory

ADDITIONAL FEATURES

Ultra-Reliable Communications

900 MHz band, with 15 user-selectable channels, up to 225 mW of power, Modulo 256 error detection on every transmission, redundant transmissions.

Online Communications (Heartbeat)

Regular communications between the WA993 and Panel Interface Module (PIM) monitor transmission presence and integrity. RF communications enable the PIM to download instructions to the WA. The period between heartbeat transmissions is configurable from 15 seconds to 270 hours in 15-second increments.

Long Battery Life

Up to four years

Assured Communications

A Packet-Error-Rate test is performed during linking, assuring greater than 99.0% of all messages get through.

Long Range

Up to 200 feet normal building construction, horizontal.
Up to 1000 feet line of sight.

Encoded Transmissions

Each transmission is coded to provide virtually uncompromisable security.

Visual Indicators

Intuitive red and green LEDs signal entry conditions, initial linking to control panels and firmware version.

Audible Indicator

A beeper annunciates unique tones for the following conditions: link successful, link unsuccessful, and a variety of lock statuses that are differentiated by different LED responses. These include door relock, request-to-enter active, request-to-enter expire, and card read (prox only).

Reader Technologies Supported

HID proximity and magnetic stripe
(ABA track2 standard, ABA track3 optional)

BENEFITS

- Installs in about 2 hours, reducing costs
- Easily added to new or existing Von Duprin 98/99 exit bars
- Compatible with ALL existing access control systems
- Seamless integration to existing installations
- Virtually impossible to be compromised
- Robust Communications
- Long range with ultra-reliable communications
- Easy to upgrade to latest software

SPECIFICATIONS

Certifications: FCC Part 15 certified, RSS-210 of Industry Canada, UL 294, UL 10C

Power Supply: 12VDC battery pack

Battery Life: 2 years at 40,000 card swipes per year with a 5-minute heartbeat interval, 4 years at 10,000 swipes per year with a 10-minute heartbeat interval

Frequency Range: 902 to 928 MHz license-free band in U.S. and Canada. 15 user-selectable channels

Transmission Type: Encoded Direct Sequence Spread Spectrum

Data Rate: 62.5 Kbps max, half duplex

Verification Time: Less than .10 second (not including panel delays)

Power Supply: Regulated 7.5 to 14.0 VDC at 300 ma peak, UL approved

Operating Temp: Reader module: -35°C to +66°C
Transceiver module: -0°C to +26°C

Operating Humidity: 20% RH to 95% RH



For use with Von Duprin 98/99 Series Exit Devices including:

- Rim - 99/98
- Surface Vertical Rod - 9927/9827
- Concealed Vertical Rod - 9947/9847/9948/9848
- Three-Point Latching - 9957/9857
- EL Devices - EL99 (Hardwired Only)
- Chexit® Delayed Egress - CX99 (Hardwired Only)



Von Duprin EL99



Von Duprin Chexit® Delayed Egress



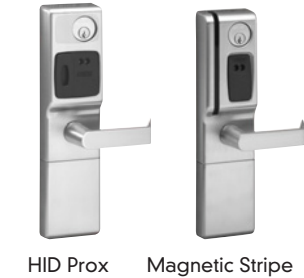


How to Order WA993 Exit Trim



Configuration Chart

	WA993-MG	RM	06	RHR	KD	626	REN	1-3/4"
Select Model and Credential Reader								
Select Device Type								
Select Lever Style								
Select Handing								
Select Key Cylinder Options								
Select Finish								
Select Option Features and Door Thickness								



HID Prox Magnetic Stripe



17 Sparta 06 Rhodes



1 1/4" Schlage Everest
Cylinder C123 Keyway
(standard)



Small Format
Interchangeable
Core Housing



Schlage Large Format
Interchangeable
Core Housing



605
Bright Brass



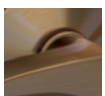
625
Bright Chrome



612
Satin Bronze



626
Satin Chrome



613
Oil-Rubbed
Bronze

Select Model and Credential Reader

- Model:**
WA993-MG Magnetic Stripe Card Reader
WA993-PXH HID Proximity Reader
993-DT Dummy Trim, rigid lever
993-BE Passage Trim for positive latching

Select Device Type

- RM** For Rim, concealed vertical rod or 3 point latching applications
SR For Surface, vertical rod applications

Select Lever Style

- 06** Rhodes (*standard*)
17 Sparta

Select Handing

- RHR** Right Hand Reverse
LHR Left Hand Reverse

Select Key Cylinder Options

- KD** 1-1/4" Schlage Everest C123 Cylinder, with two keys (*standard*)
LC Less Cylinder
SFS Small Format IC Housing, less core
LFS Schlage Large Format IC Housing, less core

Select Finish

- 626** Satin Chrome (*standard*)
605 Bright Brass
612 Satin Bronze
613 Oil-Rubbed Bronze
625 Bright Chrome

Select Optional Features and Door Thickness

- REN** Request to Enter
TK3 ABA Track 3 for MG credential model; Track 2 Standard
Door Thickness: 1-3/4" (*standard*)
Door Thickness: 1-3/8" to 2 3/4" (available in 1/8" increments)

Retrofits – Von Duprin 98/99 Series Exit Devices (*Sold Separately*)

- Rim 98/99
- Surface Vertical Rod - 9827/9927
- Concealed Vertical Rod - 9847/9947/9848/9948
- Three-Point Latching - 9857/9957



Von Duprin®
Exit Bar 98/99
(not included)

