

STANLEY

Security Solutions



OMNILOCK

WIRELESS ACCESS CONTROL SYSTEMS

STANLEY

OMNILOCK

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INTRODUCTION

The Stanley Security Solutions Team proudly presents the OMNILOCK Wireless Access Management System (WAMS). This cutting-edge-technology system allows end users to control access to their facilities from a central networked computer, from their remote workstations, or via VPN-connected machines.

Various reader technologies on locks allow users to gain access by 4-10 digit keypad Code only, by HID proximity card or keyfob only, by Magnetic card only or, for applications where higher levels of access control and security are required, users may be required to enter a Proximity Card, a Magnetic card followed by a 3 to 6 digit PIN. Card reader systems are also available without keypad (shown below right). WAMS reader-locks' non-volatile microprocessor and memory electronics record, store, and wirelessly forward the lock audit trail by date, time and use. All lock events including entries, entry attempts, tampers, time scheduled access level changes; and on certain readers, mechanical key-bypass, are recorded.

In addition, the Cylindrical OMNILOCK WAMS and Exit Device adapter systems install in standard ANSI 156.2 (formerly 161) door prep or Exit Device mechanical trim door preps and require NO extra holes to be drilled in the door. The Quick-Adapter configuration adapts to several selected existing mechanical exit devices. The WAMS System is available in Cylindrical, Mortise, Mortise-with-deadbolt, Quick Adapter, Wall Mount System, Exit Device Trim, and Single Door Controller configurations. Lastly, the Wireless Electronics modules retrofit onto many legacy OMNILOCK OM50, OM100-300-500, OM2000, or OP2000 systems.

In conclusion, the Stanley OMNILOCK Wireless Access Management System (WAMS) is a smart, easy-to-install access control solution that will change the entire access control industry. The system's 128-Bit AES encryption and efficient power management provide unequalled benefits for the user who desires on-line features without the high cost of on-line installation, maintenance, and expansion. WAMS' redundant paths of data, long battery-life, and intelligence at the door make it the obvious choice for your future security.



Above is a Grade-1 Cylindrical Proximity Dual Validation lock (p/n 93KOM-7-DV-15-PDVW-B-S3-626). Below is a Wireless Exit Trim on a Von Duprin 98/99 Device (p/n QAXOM-0-15-PHW-C-626-VD9-RHRB-W-SCH)



The Stanley OMNILOCK Wireless Access Management System (WAMS) offers the combined strength of the industry's most widely-accepted HID proximity and magnetic card technology and OMNILOCK's proven electronic superiority. Manufactured in America, the WAMS provides all the superior features and quality that you have come to expect from Stanley Security Solutions and OMNILOCK.

- Stand-alone and powered by four 'AA' alkaline batteries
- The Single Door Controller (SDC) is capable to be wired with 24 VDC for operating power, yet still shall have battery power for backup in case of power outage
- Programmable via wireless Portals from a remote Host computer or computers. Many users manage via VPNs
- Capable of remote Unlocks or Lockdowns
- Mortise Institutional locks feature clutching lever handles that engage only when a valid credential is presented or a time scheduled event instructs the electronics to unlock
- All electronic locks or modules may be programmed to operate on independent time schedules
- All systems feature diagnostics and alerts for preventive maintenance of batteries, and signal strength at the door from the Host computer or VPN
- The systems feature Flash Memory which stores lock data and allows easy installation of all lock software upgrades
- Accepts Magnetic cards, HID proximity cards of 26-bit, 35-bit, 37-bit, and proprietary-bit formats, and/or Codes
- Systems may be ordered with or without digital keypad to allow Proximity or Magnetic card use only
- All systems allow up to 65,000 users per door
- Audit trail of up to 89,000 events identifies user name, date, time of entry or attempted entry, and other audited events
- 176 Time Zone Intervals/Holidays per Time Zone
- All systems allow authorized users to locally change the access levels of the systems. These changes, which include Lockdown, are reported to the Host computer(s) and are recorded in the Audit Trail
- Optional key-detection in the audit trail for Mortise locksets

SPECIFICATIONS

FUNCTIONAL SPECIFICATIONS ID TYPES

HID Proximity Card (multiple formats), Magnetic Cards (Track-2 or Track-3), Keypad ID 4 to 10 digits in length, and/or PIN lengths of 3 to 6 digits long.

PROGRAMMER ID

May reset locksets for maintenance.

MANAGER ID

Sets Access Levels at readers.

GENERAL USER ID

Allows access when access level is at Enrolled ID Required and user group is enabled.

ACCESS LEVELS

Level 2: Free passage – Unlocked

Level 3: Remains Unlocked after first valid ID

Level 4: Remains Unlocked after first valid ID and PIN

Level 5: Enrolled ID Required (ID Code or Card)

Level 6: Enrolled ID and PIN required

Level 7: Facility ID card required

Level 8: Lockout (Manager or Programmer ID allowed only if privileges have been assigned)

TRANSACTION LOG

Transactions:

Readers retain up to the last 89,000 events, whether keypad code, proximity card or fob, key bypass detection, anti-tamper, attempt by unauthorized user, remote switch operation, or Time scheduled event. Portals cache last 50,000 events.

Events Audited:

Multiple events are recorded.

Record Format:

Date, Time, Identity, Event.

TIME ZONES

Sets Access Level and controls access by user groups automatically at selected preprogrammed times. May be pre-programmed for holiday scheduling and allows daily, weekly, monthly, or annual recurrence.

Capacity:

176 Timezone Intervals / holiday periods.

User Groups:

32 Timezone User Groups and unlimited Association User Groups.

INTERNAL CLOCK

Resolution:

1 minute with leap year correction.

Daylight Savings:

Automatic or manual corrections.

PORTAL GATEWAY FEATURES

- Communicates at 2.4 GHz spread-spectrum with Wireless Readers or Single Door Controllers
- Each Portal Gateway has its own MAC Address 16-Channel 802.15.4 protocol allows data-collision-free operation and interoperability in 802.11 WiFi concentrated environments (i.e. schools, hospitals)
- Features redundant communication (readers link with strongest portal gateway signal)
- Each Portal communicates with up to 128 WAMS readers as available in RF range
- Antennas available for different site applications: omni-directional, directional, ceiling-mounted, etc)
- Caches 50,000-events in dynamic Flash circuitry
- Connects directly to TCP/IP network– no RS-485, RS-232, or RS-422 connections
- POE-compatible splitters / inserters available for isolated locations that have no AC power outlets
- Real-time Portal diagnostics monitor RF Signal Strength, RF Interference, and Portal Capacity
- Made with **Pride in USA**



Wireless Portal Gateways communicate with up to 128 Readers (typical applications are 20-30 readers per Portal). 64-Door Portal Gateway shown above is p/n OMX-12811

COMPONENTS



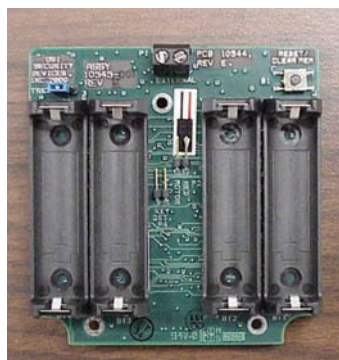
Proximity Enrollment Readers p/n OMD-11507-002 (above) enroll Proximity cards into the WAMS software application



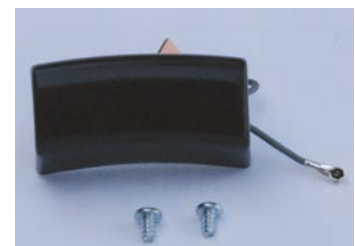
Ceiling-mount antennas (above) connect to Portal Gateways or to Single-Door Controllers. Order p/n WQD-ACMO



Power-over-Ethernet devices (above) allow use of WAMS Portals in areas where no AC power is available. Order p/n OMD-12927-001 and OMD-12928-001 for POE Insertion and Splitter components, respectively.



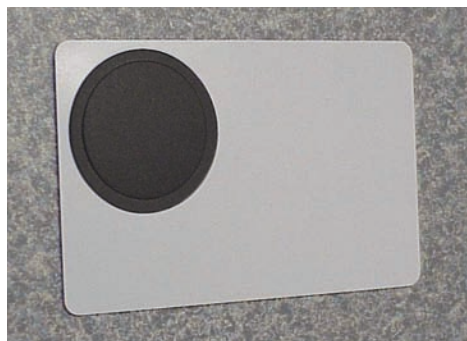
Wireless Conversion Kits p/n OMD-12657-01 allow users to upgrade their Non-Wireless OMNILOCK systems to WAMS Wireless Systems.



SYSTEM REQUIREMENTS

The OMNILOCK WAMS Cylindrical, Mortise, Quick Adapter, Wall Mount, Exit Device, or Single Door Controller Systems all program wirelessly via the Stanley OMNILOCK Portal Gateway(s) that plug into an existing or dedicated ethernet network. The Wireless Access Management Software runs on a Microsoft Server 2003 platform that is connected to a network. The WAMS system can manage unlimited users in its powerful SQL database. If users want to enroll their existing magnetic or proximity cards, they must have a Magnetic Card Enroller or Proximity Card Enrollment Reader (not needed for Keypad-code-only systems).

- 1) Wireless OMNILOCK Administrator's Kit p/n OMS-12418-001 (includes Software, Admin Guide, Quick User reference cards, and default programming proximity and/or magnetic cards)
- 2) Proximity Card Enrollment Reader p/n OMD-11507-002 (USB)
- 3) HID Proximity Cards, Keyfobs, and/or eProx Tags
- 4) 64-Reader Portal Gateway(s) that plug onto an existing or dedicated ethernet network p/n OMX-12811 (available only from Certified Stanley OMNIlock Dealers)
- 5) WAMS Readers and Locks (see Catalog for the ordering sequence— also examples below and on pages 6 and 7)



HID eProx Tags allow users to add here a proximity tag to their existing ID cards (order part number OMD-11677-001). Please see Catalog and Price List for a list of Proximity Cards and credentials.



Wireless Exit Device Trims are available for Precision, Sargent- Arrow, Von Duprin, Corbin-Russwin-Yale, Detex, and Dorma Exit Devices. Available for both Standard or Interchangeable core cylinders. The system shown above is Stanley p/n QAXOM-7-14-PDVW-C-626-PH2-LHRB-W

WALL MOUNT SYSTEM



STANLEY OMNILOCK WALL MOUNT SYSTEM

The versatile Stanley OMNILOCK Wall Mount System allows end users to control almost any electrified circuit. This system incorporates a Form-C relay that is capable of controlling 12-24 DC/AC voltage circuits. This Form-C relay has two sets of contacts: one is normally open (Fail Safe), and one is normally closed (Fail Secure). Either or both of these contacts may be used at any time. Additional relays may be added to the systems if desired. The current rating of the Wall Mount System Form-C relay is 6 amperes, so this system can handle any electrified hardware.

The Wall Mount System is available in the following Omnilock wireless configurations:

- 1) Magnetic Stripe card and keypad OM2000 system or WAMS Wireless Magnetic Card Reader system,
- 2) HID Proximity card reader and keypad OP2000 or WAMS Wireless Proximity Card Reader system.

The Wall Mount System is used to control a variety of hardware including electric strikes, magnetic locks, electrified exit devices, drive-through gates, elevators, or other special electric circuits. Additionally, Every Wall Mount has built-in "cold" contacts to allow remote-switch opening or wiring into fire alarm circuits.

WIRELESS INSTALLATION DIAGRAM



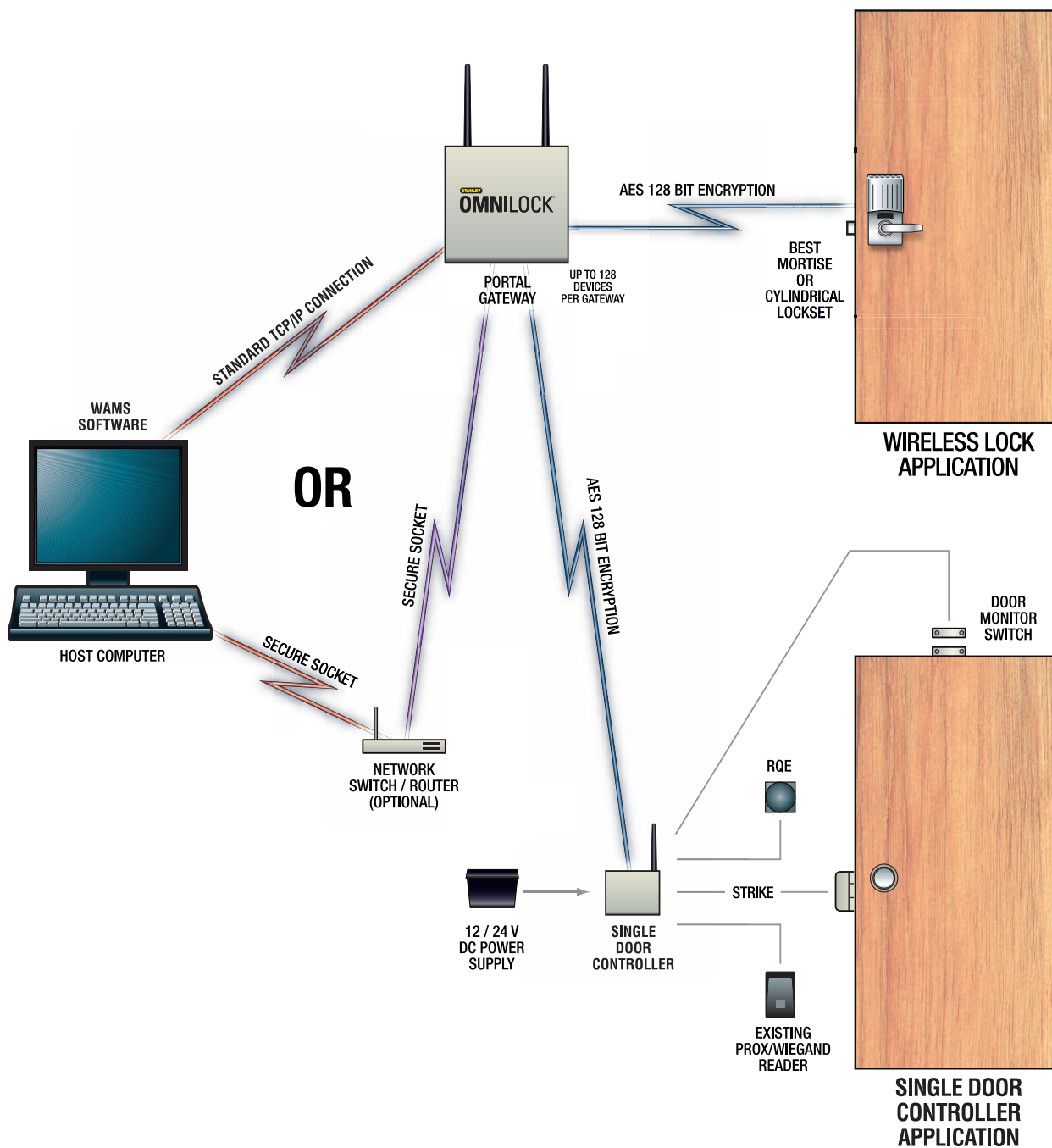
Wall Mount



Gate Mount



Wireless Entrance



HOW TO ORDER: 45HOM MORTISE LOCKING SYSTEMS

Ordering Example:

- | | |
|--|---------------------------------|
| 1. Select Series (45HOM) | 45HOM |
| 2. Select Cylinder Core Housing (0,7) | 45HOM-7 |
| 3. Select Function Code (DV, TV) | 45HOM-7-DV |
| 4. Select Lever Style (3, 14, 15, 16) | 45HOM-7-DV-15 |
| 5. Select Trim Style (MDVW, KW, MSW, PDVW,PHW) | 45HOM-7-DV-15-PDVW |
| 6. Select Rose Style (H) | 45HOM-7-DV-15-PDVW-H |
| 7. Select Housing Finish {B (black), G (grey), C (chrome)} | 45HOM-7-DV-15-PDVW-H-C |
| 8. Select Lock Trim Finish (612, 613, 626, 690) | 45HOM-7-DV-15-PDVW-H-C-626 |
| 9. Select Door Hand (RH, RHRB, LH or LHRB) | 45HOM-7-DV-15-PDVW-H-C-626-RH |
| 10. Select Options {(DSR, KOS, LSM, Thick Door (specify Thickness), W (weatherized -20 to +54C))} | 45HOM-7-DV-15-PDVW-H-C-626-RH-W |

NOTE: The above example is for a Wireless 45H Mortise Lock, With SFIC Core prep (no core included), Latch Non-deadbolt, Contour Angle Lever Style, Proximity Dual Validation, H Rose size, Chrome Housing, 626 Finish, Right-handed, and Weatherized

HOW TO ORDER: 93KOM CYLINDRICAL LOCKING SYSTEMS

Ordering Example:

- | | |
|---|-----------------------------------|
| 1. Select Backset (93KOM 2-3/4", 94KOM 3-3/4", 95KOM 5") | 93KOM |
| 2. Select Core Housing (0 Non-Best, 7 Best IC with no core) | 93KOM-7 |
| 3. Select Function Code (DV with key) | 93KOM-7-DV |
| 4. Select Lever Style (14, 15, 16) | 93KOM-7-DV-14 |
| 5. Select Trim Style (MDVW, KW, MSW, PDVW,PHW) | 93KOM-7-DV-14-PDVW |
| 6. Select Housing Finish {B (black), G (grey), C (chrome)} | 93KOM-7-DV-14-PDVW-B |
| 7. Select Strike Package (STK- standard, S3- ANSI) | 93KOM-7-DV-14-PDVW-B-S3 |
| 8. Select Lock Trim Finish (612, 613, 626, 690) | 93KOM-7-DV-14-PDVW-B-S3-626 |
| 9. Select Options {DSR, W (weatherized -20 to +54C), COR, MED, SAR, SCH, YAL, SCHRC- 14 and 15 lever only} | 93KOM-7-DV-14-PDVW-B-S3-626-DSR-W |

NOTE: The above example is for a Wireless 93K Cylindrical Lock, With SFIC Core prep (no core included), with Key, Curved with Return Lever Style, Proximity Dual Validation, Black Housing, ANSI Strike, 626 Finish, with Door Switch Monitor and REX options and the Weatherized option

HOW TO ORDER: OMEM ELECTRONIC MODULES

Ordering Example:

- | | |
|---|-----------------|
| 1. Select Series (OMEM) | OMEM |
| 2. Select Lockset Type (C- Cylindrical, M- Mortise) | OMEM-C |
| 3. Select Trim Style (MDVW, PDVW) | OMEM-C-PDVW |
| 4. Select Housing Finish {B (black), G (grey), C (chrome)} | OMEM-C-PDVW-C |
| 5. Select Options (W- weatherized -20 to +54C) | OMEM-C-PDVW-C-W |

NOTE: The above example is for a Wireless Electronic Module for a Cylindrical lock, with Proximity Dual Validation, Satin Chrome Housing, and Weatherized

HOW TO ORDER: OMWMS WALL MOUNT SYSTEMS

Ordering Example:

- | | |
|---|--------------------------|
| 1. Select Series (OMWMS) | OMWMS |
| 2. Select Core Housing (BE– Best 5E Cylinder NOT included, it must be ordered separately– p/n 5E7A1-C1-14-3-R-360-626) | OMWMS-BE |
| 3. Select Trim Style (MDVW, PDVW) | OMWMS-BE-MDVW |
| 4. Select Housing Finish {B (black), G (grey), S (chrome)} | OMWMS-BE-MDVW-G |
| 5. Select Options (W- weatherized –20 to +54C) | OMWMS-BE-MDVW-G-W |

NOTE: The above example is for a Wireless Wall Mount System, with a keyed Best 5E Utility Cylinder Magnetic Card Dual Validation, Grey Electronic Housing, and Weatherized

HOW TO ORDER: QASOM QUICK ADAPTER for SELECTED SCHLAGE D-SERIES AND AL SERIES LOCKS

Ordering Example:

- | | |
|--|------------------------|
| 1. Select Series (QASOM) | QASOM |
| 2. Select Trim Style (MDVW, PDVW) | QASOM-PDVW |
| 3. Select Housing Finish {B (black), G (grey)} | QASOM-PDVW-B |
| 4. Select Options (W- weatherized –20 to +54C, IC– for IC Schlage locks, STD– for non-IC Schlage locks) | QASOM-PDVW-B-IC |

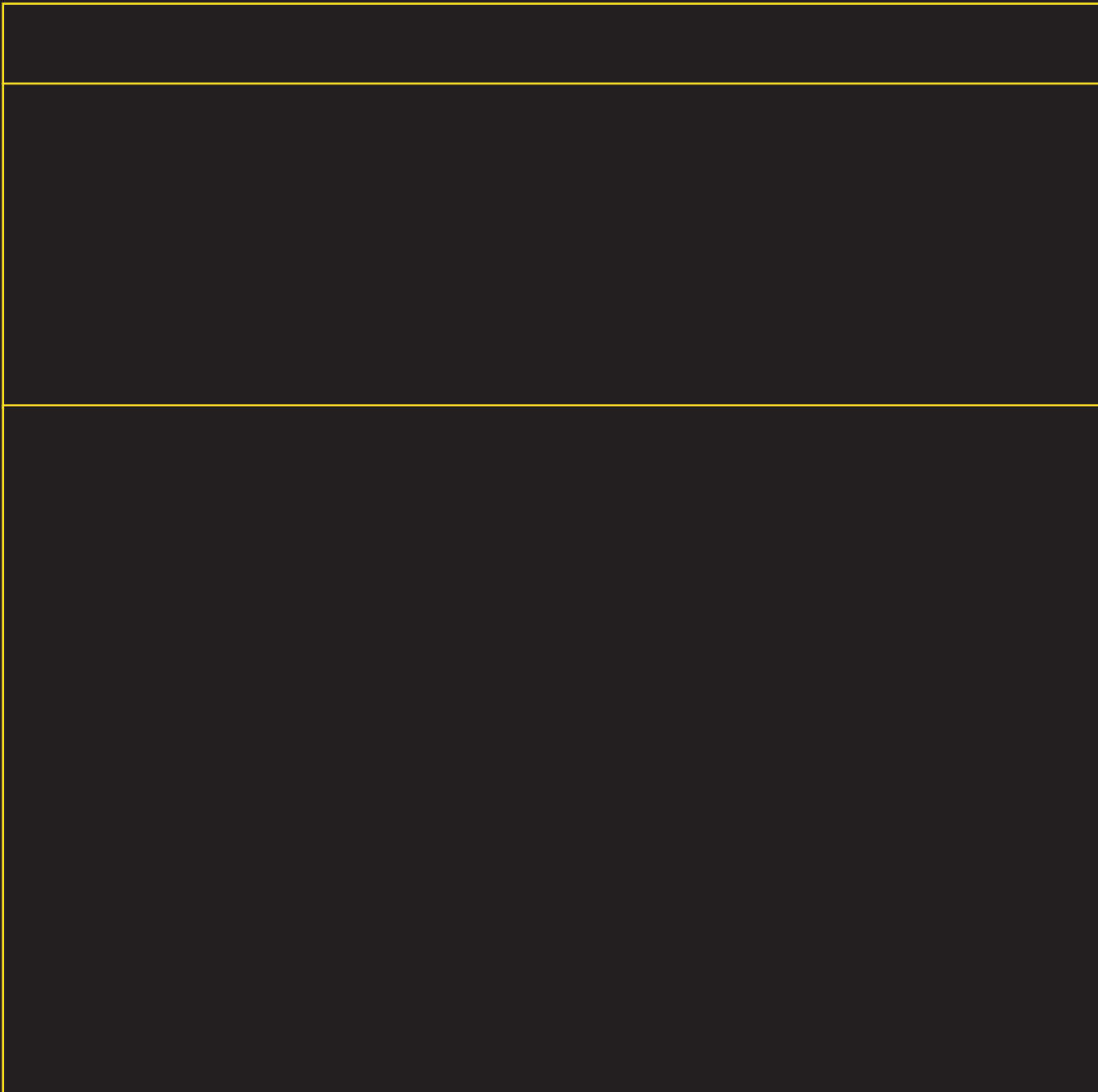
NOTE: The above example is for a Wireless Quick Adapter, Proximity Card Dual Validation, Black Electronic Housing, and with driver for existing Schlage IC-core lockset

HOW TO ORDER: QAXOM QUICK ADAPTERS FOR EXIT DEVICES

Ordering Example:

- | | |
|--|---|
| 1. Select Series (QAXOM) | QAXOM |
| 2. Select Cylinder Housing (0- Non-IC, 7– Best IC no core) | QAXOM-7 |
| 3. Select Lever Style (14 curved return, 15 contour angle return) | QAXOM-7-14 |
| 4. Select Trim Style (MDVW, KW, MSW, PDVW, PHW) | QAXOM-7-14-PDVW |
| 5. Select Housing Finish {B (black), G (grey), C (chrome)} | QAXOM-7-14-PDVW-C |
| 6. Select Lever Finish (612, 613, 626) | QAXOM-7-14-PDVW-C-626 |
| 7. Select Adapter Plate (CY1– Corbin-Russwin/Yale, PH2– Precision, SA7, 8, 9– Sargent Series, VD8– Von Duprin 98/99 EO, VD9– Von Duprin 98/99F) | QAXOM-7-14-PDVW-C-626-PH2 |
| 8. Select Door Hand (RHRB, LHRB) | QAXOM-7-14-PDVW-C-626-PH2-LHRB |
| 9. Select Options {SCH– Schlage non-IC, (Thick Door (specify Door Thickness), W (weatherized –20 to +54C))} | QAXOM-7-14-PDVW-C-626-PH2-LHRB-W |

NOTE: The above example is for a Wireless Exit Device Quick Adapter, Best IC Core, Curved Return lever, Proximity Card Dual Validation, Chrome Electronic Housing, 626 Lever Finish, with Precision APEX Adapter Kit, Left-Hand Reverse Bevel, and Weatherized (see image on Page 6 Upper Right for an example of this system)



Security Solutions

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