

**9847WDC-F/9947WDC-F fire exit concealed vertical rod device** for use on pairs of doors up to 8' x 9' 3" (2438mm x 2819mm) double wood doors, UL listed for Fire Exit Hardware. See page 41 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 9847WDC-F device has a smooth mechanism case and the 9947WDC-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SS (Signal Switch). See Opposite page for available outside trim and functions.

The 9847WDC-F/9947WDC-F devices are available in the following finishes: US3, US4, US10, US26, US26D, US28, 313AN, 315AN and US32D for the 9847WDC-F device only. See page 52 for component finishes and the inside cover for finish chips.

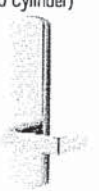
**Scalp Plate** Device is furnished standard with an 8" (203mm) long scalp plate for easy access to rods. *Note: Do not use on pair of doors with 9975.*

### Specifications

|                                              |                                                                                                                                                                                                                                                              |                                           |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Device Functions</b>                      | Device ships EO/DT/NL. Field selectable. For TP,K, or L remove NL drive screw from device                                                                                                                                                                    |                                           |
| <b>Device Lengths</b>                        | 3' 2'4" to 3' (711mm to 914 mm) Door Size<br>4' 2'10" to 4' (864 mm to 1219 mm) Door Size                                                                                                                                                                    |                                           |
| <b>Strikes</b>                               | Top - 338 – Unfinished, Bottom – 385A – Unfinished<br>Optional Strikes – see page 39                                                                                                                                                                         |                                           |
| <b>Dogging Feature</b>                       | No Mechanical Dogging, EL option available                                                                                                                                                                                                                   |                                           |
| <b>Electric Options</b>                      | LX                                                                                                                                                                                                                                                           | Latchbolt Monitor Switch see page 42      |
|                                              | RX                                                                                                                                                                                                                                                           | Pushpad Monitor Switch see page 42        |
|                                              | RX2                                                                                                                                                                                                                                                          | Double Pushpad Monitor Switch see page 42 |
|                                              | EL                                                                                                                                                                                                                                                           | Electric Latch Retraction see page 43     |
|                                              | SS                                                                                                                                                                                                                                                           | Signal Switch see page 43                 |
|                                              | CX                                                                                                                                                                                                                                                           | Chexit Delayed Exit see page 45           |
|                                              | ALK                                                                                                                                                                                                                                                          | Alarm Exit Kit see page 42                |
| <b>Miscellaneous Options</b>                 | PN                                                                                                                                                                                                                                                           | Pneumatic Latch Retraction see page 48    |
|                                              | LBR                                                                                                                                                                                                                                                          | Less Bottom Rod see page 49               |
|                                              | GBK                                                                                                                                                                                                                                                          | Glass Bead Kit see page 49                |
| <b>Fasteners &amp; Sex Bolts (SNB)</b>       | Includes 1 3/4" (19mm) – 2 1/4" (57mm) Wood & Metal Doors<br>Optional SNB available for device, see next page for quantities<br>Optional SLM Blocking Pkg for wood doors with SLM blocking<br>SNB required for wood doors, unless SLM Blocking Pkg specified |                                           |
| <b>Latch Bolt</b>                            | Deadlocking Anti-friction Top & Bottom Bolt, 5/8" (16mm) throw                                                                                                                                                                                               |                                           |
| <b>Device Centerline from Finished Floor</b> | 39 5/8" (1006 mm) Standard, Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)                                                                                                                                                                              |                                           |
| <b>Door Undercut</b>                         | 1/4" (7mm) maximum                                                                                                                                                                                                                                           |                                           |
| <b>Center Case Dimensions</b>                | 8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)                                                                                                                                                                                                                   |                                           |
| <b>Mechanism Case Dimensions</b>             | 2 1/4" x 2 1/4" (57mm x 57mm)                                                                                                                                                                                                                                |                                           |
| <b>Top &amp; Bottom Latch Case</b>           | 4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)                                                                                                                                                                                                               |                                           |
| <b>Vertical Rods</b>                         | Round 2 piece adjustable rods<br>Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm)<br>Bottom rod adjustable 35 5/8" (905 mm) to 49 5/8" (1260 mm)<br>Extension rod kits available for doors over 8'4" (2533mm)                                          |                                           |
| <b>Projection</b>                            | Pushbar Neutral – 3 1/16" (97 mm)<br>Pushbar Depressed – 3 1/16" (78 mm)                                                                                                                                                                                     |                                           |

See page 53 for How to Order specification

|                                               | Exit only                            | Dummy Trim<br>Pull when Dogged<br>(Not recommended for<br>Fire Device)<br> | Night Latch<br>Key Retracts Latchbolt<br> | Night Latch<br>Key Retracts Latchbolt<br>Optional Pull Required<br> | Thumbturn<br>Key Locks & Unlocks<br>(Use with DT Trim)<br> | Thumbturn<br>Blank Escutcheon<br>Always Operable<br>(No Cylinder)<br>(Use with DT Trim)<br> |
|-----------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description                           | 9847WDC-EO-F<br>9947WDC-EO-F         | —<br>—                                                                                                                                                      | 9847WDC-NL-F<br>9947WDC-NL-F                                                                                               | 9847WDC-NL-OP-F<br>9947WDC-NL-OP-F                                                                                                                    | 9847WDC-TL-F<br>9947WDC-TL-F                                                                                                                  | 9847WDC-TL-BE-F<br>9947WDC-TL-BE-F                                                                                                                                             |
| Trim Description                              | —                                    | 990DT                                                                                                                                                       | 990NL-R/V                                                                                                                  | 110NL-WD                                                                                                                                              | 374T x 990DT                                                                                                                                  | 374T-BE x 990DT                                                                                                                                                                |
| Escutcheon Plate Size                         | —                                    | 3" x 14 <sup>3</sup> / <sub>16</sub> " x <sup>7</sup> / <sub>32</sub> "<br>(76x360x2mm)                                                                     | 3" x 14 <sup>3</sup> / <sub>16</sub> " x <sup>7</sup> / <sub>32</sub> "<br>(76x360x2mm)                                    | —                                                                                                                                                     | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm)                         | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm)                                                          |
| Pull Center to Center                         | —                                    | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                                                                                     | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                                                    | —                                                                                                                                                     | —                                                                                                                                             | —                                                                                                                                                                              |
| Projection                                    | —                                    | 2" (51mm)                                                                                                                                                   | 2" (51mm)                                                                                                                  | —                                                                                                                                                     | 3 <sup>1</sup> / <sub>4</sub> " (83mm)                                                                                                        | 3 <sup>1</sup> / <sub>4</sub> " (83mm)                                                                                                                                         |
| ANSI Function                                 | 01                                   | 02                                                                                                                                                          | 03                                                                                                                         | 03                                                                                                                                                    | 11                                                                                                                                            | —                                                                                                                                                                              |
| Cylinder Type                                 | —                                    | —                                                                                                                                                           | Rim                                                                                                                        | Rim                                                                                                                                                   | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                                                       | —                                                                                                                                                                              |
| Optional Trim<br>(See pages 32 – 34)          | x990EO<br>x992EO<br>x994EO<br>x996EO | x991K-DT<br>x992L-DT<br>x994L-DT<br>x996L-DT<br>x696DT<br>x697DT                                                                                            | x991K-NL<br>x992L-NL<br>x994L-NL<br>x996L-NL<br>x696NL<br>x697NL                                                           |                                                                                                                                                       |                                                                                                                                               |                                                                                                                                                                                |
| #425 SNB optional-HMD<br>Req. WD w/o SLM Pkg. | 6                                    | 2                                                                                                                                                           | 2                                                                                                                          | 6                                                                                                                                                     | 2                                                                                                                                             | 2                                                                                                                                                                              |

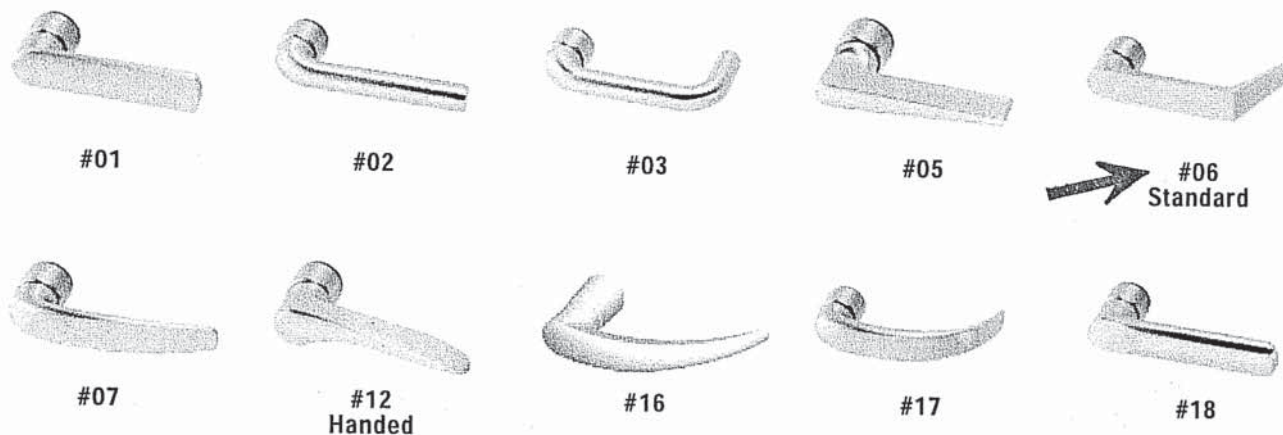
|                                               | Lever<br>Key Locks & Unlocks<br>   | Lever – Night Latch<br>Key Retracts Latchbolt<br> | Lever – Blank Escutcheon<br>Always operable<br>(No Cylinder)<br> | Lever Dummy Trim<br>Pull when Dogged<br>(Not recommended for Fire Device)<br> |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description                           | 9847WDC-L-F<br>9947WDC-L-F                                                                                            | 9847WDC-L-NL-F<br>9947WDC-L-NL-F                                                                                                     | 9847WDC-L-BE-F<br>9947WDC-L-BE-F                                                                                                                     | —<br>—                                                                                                                                                             |
| Trim Description                              | 996L-CV                                                                                                               | 996L-NL-CV                                                                                                                           | 996L-BE-CV                                                                                                                                           | 996L-DT-CV                                                                                                                                                         |
| Escutcheon Plate Size                         | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm)                | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm)                                | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm)                                              |
| Pull Center to Center                         | —                                                                                                                     | —                                                                                                                                    | —                                                                                                                                                    | —                                                                                                                                                                  |
| Projection                                    | 2 <sup>7</sup> / <sub>8</sub> " (73mm)                                                                                | 2 <sup>7</sup> / <sub>8</sub> " (73mm)                                                                                               | 2 <sup>7</sup> / <sub>8</sub> " (73mm)                                                                                                               | 2 <sup>7</sup> / <sub>8</sub> " (73mm)                                                                                                                             |
| ANSI Function                                 | 08                                                                                                                    | 09                                                                                                                                   | —                                                                                                                                                    | 02                                                                                                                                                                 |
| Cylinder Type                                 | Rim                                                                                                                   | Rim                                                                                                                                  | —                                                                                                                                                    | —                                                                                                                                                                  |
| Optional Trim<br>(See pages 32 – 34)          | x992L<br>x994L                                                                                                        | x992L-NL<br>x994L-NL                                                                                                                 | x992L-BE<br>x994L-BE                                                                                                                                 | x992L-DT<br>x994L-DT                                                                                                                                               |
| #425 SNB optional-HMD<br>Req. WD w/o SLM Pkg. | 2                                                                                                                     | 2                                                                                                                                    | 2                                                                                                                                                    | 2                                                                                                                                                                  |

For optional trims and functions see pages 32-34

## Knob and Thumbpiece Trim

|                                                       | Knob<br>Key Locks<br>& Unlocks       | Knob – Night Latch<br>Key Retracts Latchbolt | Knob – Blank<br>Escutcheon<br>Always Operable<br>(No Cylinder) | Knob – Dummy Trim<br>Pull when Dogged | Thumbpiece<br>Key Locks<br>& Unlocks | Thumbpiece<br>Blank Escutcheon<br>Always Operable<br>(No Cylinder) |
|-------------------------------------------------------|--------------------------------------|----------------------------------------------|----------------------------------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------------------------------------|
| Trim Description                                      | 991K                                 | 991K-NL                                      | 991K-BE                                                        | 991K-DT                               | 990TP                                | 990TP-BE                                                           |
| Escutcheon Plate Size                                 | 2¾" x 10¾" x 27/32"<br>(70x273x21mm) | 2¾" x 10¾" x 27/32"<br>(70x273x21mm)         | 2¾" x 10¾" x 27/32"<br>(70x273x21mm)                           | 2¾" x 10¾" x 27/32"<br>(70x273x21mm)  | 2¾" x 10¾" x 27/32"<br>(70x273x21mm) | 2¾" x 10¾" x 27/32"<br>(70x273x21mm)                               |
| Pull Center to Center                                 | —                                    | —                                            | —                                                              | —                                     | 5½" (140mm)                          | 5½" (140mm)                                                        |
| Projection                                            | 3¼" (83mm)                           | 3¼" (83mm)                                   | 3¼" (83mm)                                                     | 3¼" (83mm)                            | 2" (51mm)                            | 2" (51mm)                                                          |
| ANSI Function                                         | 08                                   | 09                                           | —                                                              | 02                                    | 05                                   | 05                                                                 |
| Cylinder Type                                         | Rim                                  | Rim                                          | —                                                              | —                                     | Rim                                  | —                                                                  |
| Rim or<br>Vertical Rod Device                         |                                      |                                              |                                                                |                                       |                                      |                                                                    |
| Mortise Lock<br>Device                                | 1¼" Mortise                          | 1¼" Mortise                                  | —                                                              | —                                     | 1¼" Mortise                          | —                                                                  |
| #425 SNB optional-HMD<br>Req. WD w/o SLM Pkg.         | 2                                    | 2                                            | 2                                                              | 2                                     | 2                                    | 2                                                                  |
| #825 SNB Req.<br>WD w/o SLM Pkg.<br>F Rim device ONLY | 2                                    | 2                                            | 2                                                              | 2                                     | 2                                    | 2                                                                  |
| #425 SNB Req. w/ 499F                                 | 2                                    | 2                                            | 2                                                              | 2                                     | 2                                    | 2                                                                  |

## Lever Design Options



## Alarm Kit – ALK



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. Thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibel.

The key switch uses a standard 1¼" (32mm) mortise cylinder with a straight cam (Schlage Cam reference B502-191). 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.

Also can be powered using the PS9 Power Supply. See PS9 for additional information.

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. Specify ALK-LX.

*Note: For latch bolt monitoring on a 98/9975 with ALK, specify a SS7500 lock. LX switch not available for 98/9975 devices.*

The ALK is available in two styles, 33A/99ALK, grooved cover and 35A/98ALK, smooth cover.

The ALK includes "EMERGENCY EXIT ONLY. ALARM WILL SOUND" decal for application on door, or the SS push bar trim can be used instead of the door decal, specify SS push bar trim.

The ALK is available with 2 optional circuit boards. External Inhibit (EI) allows for the use of external switch to be used to arm, disarm and reset the alarm. Auto Reset (AR) rearms the alarm after a preset time. AR is available in three factory set times – 1½, 3 or 6 minutes.

### To Order, Specify:

1. External Inhibit – ALK-EI
2. Auto Reset – ALK-AR3

When the ALK is used, standard dogging is removed. If cylinder dogging is required there are two choices. Special center case dogging is available or for 3' or 4' doors the ALK can be moved to the hinge side of the device and standard cylinder dogging can be added.

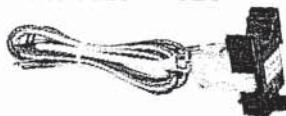
### To Order, Specify:

1. Standard, 98NL ALK
2. Cylinder Dogging, CD98NL ALK
3. Special Center Case Dogging, SD98NL ALK

### Minimum Door Opening Sizes on ALK Applications

| Device                  | 3' (914mm)<br>Length | 4' (1219mm)<br>Length |
|-------------------------|----------------------|-----------------------|
| 98/98-F/99/99-F         | 2'9" (838mm)         | 3'3" (991mm)          |
| 9875/9875-F/9975/9975-F | 2'9" (838mm)         | 3'3" (991mm)          |
| 9827/9827-F/9927/9927-F | 2'8" (813mm)         | 3'2" (966mm)          |
| 9857/9857-F/9957/9957-F | 2'8" (813mm)         | 3'2" (966mm)          |
| 9847/9847-F/9947/9947-F | 2'8" (813mm)         | 3'2" (966mm)          |
| 9848/9848-F/9948/9948-F | 2'8" (813mm)         | 3'2" (966mm)          |

## Request to Exit — RX



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. A continuous current electric transfer must be used for transferring power from the frame to the door.

The RX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive 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 RX99EO
- Low Current – Use prefix RX-LC, example RX-LC98EO

## Double Request to Exit — RX2

The RX2 feature uses 2 RX switches. Also available with the Low Current (LC) switch.

### To Order, Specify:

- Standard – Use prefix RX2, example RX299EO
- Low Current – Use prefix RX2-LC, example RX2-LC98EO

## Latch Bolt Monitoring — LX



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. A continuous current electric transfer must be used for transferring power from the frame to the door.

The LX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive 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 LX99EO
- Low Current – Use prefix LX-LC, example LX-LC98EO

### Electrical Rating for all Switches:

- Standard – up to 0.5 Amp @ 24VDC Maximum
- Low Current (LC) – up to .05 Amp @ 24VDC Maximum

**Note: All Switches can be either factory or field installed**

# Hardware

Manufacturer's

Accurate Lock, Doug Mockett, Glynn Johnson,  
Ives, LCN, Brio, Schlage, Von Duprin, Zero

Hardware Finish

32D Satin Stainless Steel, 26D Satin Chrome,  
Aluminum





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## TRANSMITTAL

No. 15051-0222

Paric Corporation

**PROJECT:** 15051-Webster University Interdisciplinary Science Building

**DATE:** 09/12/2016

**TO:** Cannon Design  
1100 Clark Ave  
St Louis MO 63102

**RE:** Hardware Product Data

**ATTN:** Kelvin Patel

**JOB:** 15051

| WE ARE SENDING:                                         | SUBMITTED FOR:                               | ACTION TAKEN:                                     |
|---------------------------------------------------------|----------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> Shop Drawings                  | <input checked="" type="checkbox"/> Approval | <input type="checkbox"/> Approved as Submitted    |
| <input type="checkbox"/> Letter                         | <input type="checkbox"/> Your Use            | <input type="checkbox"/> Approved as Noted        |
| <input type="checkbox"/> Prints                         | <input type="checkbox"/> As Requested        | <input type="checkbox"/> Returned After Loan      |
| <input type="checkbox"/> Change Order                   | <input type="checkbox"/> Review and Comment  | <input type="checkbox"/> Resubmit                 |
| <input type="checkbox"/> Plans                          |                                              | <input type="checkbox"/> Submit                   |
| <input type="checkbox"/> Samples                        | SENT VIA:                                    | <input type="checkbox"/> Returned                 |
| <input type="checkbox"/> Specifications                 | <input type="checkbox"/> Attached            | <input type="checkbox"/> Returned for Corrections |
| <input checked="" type="checkbox"/> Other: Product Data | <input type="checkbox"/> Separate Cover Via: | <input type="checkbox"/> Due Date:                |

| Item      | Package | Code          | Rev. | Copies | Date       | Description           | Status    |
|-----------|---------|---------------|------|--------|------------|-----------------------|-----------|
| Submittal |         | 087100.03-002 | 1    |        | 09/12/2016 | Hardware Product Data | Submitted |

**NOTES:**

**CC:**

Signed: \_\_\_\_\_  
Devin Gates