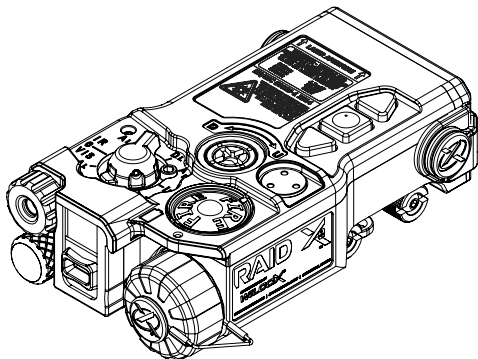


QUICK REFERENCE GUIDE  
FOR THE

**WILCOX<sup>®</sup>**

**RAID X<sub>e</sub>**  
TM

**Ruggedized Aiming / Illumination Device**



**ERGOCTO<sup>®</sup>** X<sub>e</sub> TM



**CAGE: 004F1**

This manual and product contains technical data as defined in the International Traffic in Arms Regulations ITAR 22 CFR 120.10. Export of this material is restricted by the Arms Export Control Act 22 U.S.C. 2751 et seq. and may not be exported to foreign persons without written approval from the U.S. Department of State.

---

## ***SAFETY WARNINGS, CAUTIONS, AND NOTES***

### **▲ WARNING ▲**

You are required to thoroughly read all instructions and product safety information in the *RAID Xe* Operator's and Maintainer's Manual before using this product. **FAILURE TO COMPLY WITH PROPER INSTRUCTIONS COULD RESULT IN PROPERTY DAMAGE, INJURY, AND/OR DEATH.** Wilcox is not responsible for damage resulting from improper use and/or maintenance. Customers may obtain a copy of the Manual by scanning the QR code on the product.

### **■ CAUTION ■**



Lithium batteries can rupture and explode if exposed to fire, heat, electrical charge, or damage to the battery. Follow proper battery storage and maintenance procedures for handling of lithium batteries.

## ***STORAGE***

When storing or transporting the *RAID Xe*, remove the batteries and store separately.

# LASER SPECIFICATIONS

Refer to the **RAID Xe** Operator's and Maintainer's Manual for a complete listing of laser safety specifications.

	<b>WARNING - VISIBLE AND INVISIBLE LASER RADIATION AVOID EXPOSURE TO BEAM CLASS 3B LASER PRODUCT</b>
	<b>WARNING - VISIBLE AND INVISIBLE LASER RADIATION AVOID EXPOSURE TO BEAM CLASS 3R LASER PRODUCT</b>

↑ LASER APERTURE ↑

**WARNING - VISIBLE AND  
INVISIBLE LASER RADIATION  
AVOID EXPOSURE TO BEAM  
CLASS 3R LASER PRODUCT**

640nm	4.3mW
840nm	32mW
850nm	5mW

EN/IEC 60825-1 2014

THIS PRODUCT COMPLIES WITH  
FDA PERFORMANCE STANDARDS  
FOR LASER PRODUCTS EXCEPT  
FOR CONFORMANCE WITH IEC  
60825-1 ED.3, AS DESCRIBED  
IN LASER NOTICE NO. 04,  
DATED MAY 6, 2016



**G07 LP MODEL**

↑ LASER APERTURE ↑

**WARNING - VISIBLE AND  
INVISIBLE LASER RADIATION  
AVOID EXPOSURE TO BEAM  
CLASS 3B LASER PRODUCT**

660nm	90mW
850nm	36mW
840nm	90mW

EN/IEC 60825-1 2014

THIS PRODUCT IS IN CONFORMITY  
WITH PERFORMANCE STANDARDS  
FOR LASER PRODUCTS UNDER  
-21 CFR 1046, EXCEPT WITH  
RESPECT TO THESE  
CHARACTERISTICS  
AUTHORIZED BY  
VARIANCE NUMBER  
2021-V-1262 EFFECTIVE  
FEBRUARY 18, 2022



**G10 HP MODEL**

↑ LASER APERTURE ↑

**WARNING - VISIBLE AND  
INVISIBLE LASER RADIATION  
AVOID EXPOSURE TO BEAM  
CLASS 3B LASER PRODUCT**

520nm	42mW
850nm	36mW
840nm	90mW

EN/IEC 60825-1 2014

THIS PRODUCT IS IN CONFORMITY  
WITH PERFORMANCE STANDARDS  
FOR LASER PRODUCTS UNDER  
-21 CFR 1046, EXCEPT WITH  
RESPECT TO THESE  
CHARACTERISTICS  
AUTHORIZED BY  
VARIANCE NUMBER  
2020-V-3000C



**G11 HP MODEL**

**Laser Safety Label**

---

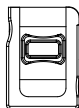
## ***OLED DISPLAY SHROUD OPERATION***



**DISPLAY VISIBLE**



**DISPLAY MINIMIZED**



**DISPLAY SHROUDED**

## ***DEFAULT THREE BUTTON PRESSURE PAD FUNCTIONS***

	<b>Button #1</b>	<b>Button #2</b>	<b>Button #3</b>
<b>Single Cable Keypad</b>	Room Illuminator	Mirror Rotary Switch Position	Dual Low (VCSEL Illuminator + IR Aiming Laser)
<b>Dual Cable Keypad</b>	Flashlight*	Mirror Rotary Switch Position	Dual Low (VCSEL Illuminator + IR Aiming Laser)

\*With the Optional Dual Cable Three Button Pressure Pad, Button #1 will always control the flashlight, regardless of the configuration setting.

## MODE SELECTION OPTIONS

KNOB POSITION	OLED DISPLAY	LOCKOUT AVAILABLE	MODE/FUNCTION DESCRIPTION
OFF		NO	<b>RAID Xe</b> Power Off
AL	AL I	NO	Low Power IR Aiming Laser (Pointer)
IL	IL I	NO	Low Power IR Short or Long Range Illuminator*
DL	DL I	NO	Low Power IR Aiming Laser (Pointer) and IR Short or Long Range Illuminator*
AH	AH I	YES	High Power IR Aiming Laser (Pointer)
IH	IH I	YES	High Power IR Distance Illuminator
DH	DH I	YES	High Power IR Aiming Laser (Pointer) and IR Long Range Illuminator
AH	AH V	YES	High Power Visible Aiming Laser (Pointer)
AL	AL V	NO	Low Power Visible Aiming Laser (Pointer)

\*Low Power IR Illuminator distance is selected within the "Illum" option on the Function Menu. NOTE: Greyed box (high power) functions are locked out with the Blue High Power Lockout Screw is in the operational position.

# PUSH BUTTON OPERATION

MODE SELECTION SWITCH POSITIONS	FIRE BUTTON OPERATION*	UP BUTTON OPERATION**	ENTER BUTTON OPERATION***	DOWN BUTTON OPERATION**
<b>AL</b> (IR or Visible)	Low Power Aiming Laser On/Off	In Adjust Mode, Increase Aiming Laser Power One Step	Laser ON: Enter/Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Aiming Laser Power One Step
<b>IL</b>	Low Power Illuminator On/Off	In Adjust Mode, Increase Illuminator Power One Step	Laser ON: Enter/Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Illuminator Power One Step
<b>DL</b>	Both Low Power Aiming Laser and Illuminator On/Off	In Adjust Mode, Increase Illuminator or Aiming Laser Power One Step	Laser ON: Enter/Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Illuminator or Aiming Laser Power One Step
<b>AH</b> (IR or Visible)	High Power Aiming Laser On/Off	In Adjust Mode, Increase Aiming Laser Power One Step	Laser ON: Enter/Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Aiming Laser Power One Step
<b>IH</b>	High Power Illuminator On/Off	In Adjust Mode, Increase Illuminator Power One Step	Laser ON: Enter/Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Illuminator Power One Step
<b>DH</b>	Both High Power Aiming Laser and Illuminator On/Off	In Adjust Mode, Increase Illuminator or Aiming Laser Power One Step	Laser ON: Enter/Exit Adjust Mode Laser OFF: Toggle LP Illuminator selection	In Adjust Mode, Decrease Illuminator or Aiming Laser Power One Step
<b>[FUNCTION MENU]**</b>	Laser On/Off for the selected operational mode	Scroll up through available options	Select the Currently Highlighted Option	Scroll down through available options

\*Single tap of the Fire Button emits selected laser until the button is released while double tap activates the selected laser until it is deactivated with another press of the Fire Button.

\*\*Pressing the Up and Down Buttons simultaneously accesses the **RAID Xe** Function Menu. Note that the Function Menu is not available while laser is powered on.

\*\*\*When Laser is off and not in Function Menu, toggles between short and long Illuminator.

---

## MOUNTING THE RAID Xe TO A WEAPON

### ▲ WARNING ▲

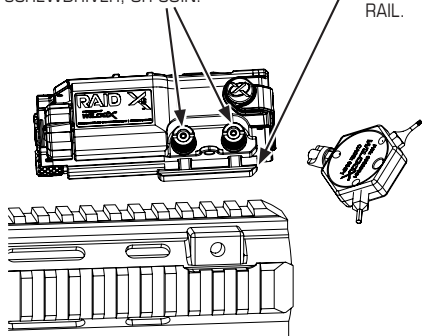
Make sure the weapon is **CLEAR** and on **SAFE** before installing the **RAID Xe** on a weapon, in accordance with the weapon's Operator's Manual, the **RAID Xe** is powered off, and the lens cap is on prior to installation. Failure to do so can result in property damage, injury, and/or death.

(1) TURN THUMBNUTS CCW TO LOOSEN WITH Xe UTILITY TOOL, SCREWDRIVER, OR COIN.

(2) ATTACH THE INSIDE OF THE FLOATING RAIL GRABBER TO THE OUTER EDGE OF THE RAIL.

(3) PIVOT **RAID XE** DOWN ONTO RAIL.

(4) RESECURE THUMBNUTS CW USING THE Xe UTILITY TOOL, SCREWDRIVER, OR COIN, AND GENTLY PULL ON THE **RAID XE** TO MAKE SURE IT IS SECURELY ATTACHED.



## DISMOUNTING THE RAID Xe FROM A WEAPON

Carefully grasp the **RAID Xe** then unthread the Thumbnuts CCW to allow the locking plate to slide, using caution not to release the Thumbnuts from the screw. Pivot the **RAID Xe** away from the rail.

## FUNCTION MENU OPTIONS

FUNCTION	DESCRIPTION	VALUES	DEFAULT
<b>Bright</b>	Adjust Display Brightness	Auto, Dim 4, Dim 3, Dim 2, Dim 1, Brite1, Brite2, Brite3, Brite4	Auto
<b>Blink</b>	Set the Laser ID Blink Pattern	ID:OFF, ID: 1, ID: 2, ID: 3, ID: 4, ID: 5, ID: 6	ID:OFF
<b>Illum</b>	Selecting the Low Power Illuminator	Short, Long	Short
<b>Remote</b>	Select Optional Remote Button Function	Button 1, Button 2, Button 3, Exit	1: ILrl 2: Fire 3: DH I
<b>ScrnSv</b>	Adjust Inactivity Timeout	Off, 1 M, 3 M, 5 M, 10 M	5 M
<b>Test</b>	Perform a Built In Test		—
<b>Deflt</b>	Set Factory Defaults	Reset, NO Rst	NO Rst
<b>Maint</b>	Display or Configure the Maintenance Counter		
<b>Maint &gt; Config</b>	Set the Weapon Mechanism Type	GasImp, Piston	GasImp
<b>Events</b>	Display the Event Log	—	—
<b>About</b>	Display Version Information and Battery %	—	—



---

## **SETTING DISPLAY BRIGHTNESS**

**Step 1.)** Push the Up and Down Buttons simultaneously to access the Function Menu. The first highlighted function menu option (i.e., "**Bright**") appears on the display. Push the Enter Button to enter the "Bright" Menu.

**Step 2.)** Push the Up or Down Button until the desired option is highlighted, then push the Enter Button to select.

<b><u>OPTION</u></b>	<b><u>DESCRIPTION</u></b>
<b>Auto* (DEFAULT)</b>	Dim 3 to Brite4, Based on Light Sensor Input
<b>Dim 4**</b>	Dimmest
<b>Dim 3</b>	...
<b>Dim 2</b>	...
<b>Dim 1</b>	...
<b>Brite1</b>	...
<b>Brite2</b>	...
<b>Brite3</b>	...
<b>Brite4</b>	Brightest

\*To quickly restore Display Brightness to "**Auto**", push and hold the UP and Down Buttons simultaneously while powering on the system.

\*\*The "**Dim 4**" (lowest brightness option) is not available from Auto mode. If this is required for NVG usage, use the manual setting to acquire this brightness level.

**Step 3.)** Push the Up and Down Buttons simultaneously to exit this Function Menu.

---

## **SETTING LASER IDENTIFICATION PATTERNS**

- Step 1.)** With lasers turned off, push the Up and Down Buttons simultaneously to access the Function Menu.
- Step 2.)** Push the Up or Down Button until “**Blink**” is highlighted, then press the Enter Button to select.
- Step 3.)** Push the Up or Down Button until the desired option is highlighted, then push the Enter Button to Select.

<b><u>OPTION</u></b>	<b><u>DESCRIPTION</u></b>
<b>ID:OFF (DEFAULT)</b>	No Blinking
<b>ID: 1</b>	Fast Blink Rate
<b>ID: 2</b>	Medium Fast Blink Rate
<b>ID: 3</b>	Medium Slow Blink Rate
<b>ID: 4</b>	Slow Blink Rate
<b>ID: 5</b>	Fast with Double Blink
<b>ID: 6</b>	Slow with Double Blink

- Step 4.)** Push the Up and Down Buttons simultaneously to exit this Function Menu.

---

## **ACTIVATING THE LASER**

### **■ CAUTION ■**

The *RAID Xe* features Class 3B laser products that emit visible and infrared laser radiation from the front of the device. Both visible and invisible laser light can be dangerous if misused. **ALWAYS** turn off the *RAID Xe* and replace lens covers when the unit is not in use. Follow all eye and skin safety guidelines for Class 3B lasers to avoid injury to the operator or civilians.



The *RAID Xe* provides momentary ON/OFF laser control by pushing the FIRE Button on the *RAID Xe* system or the button on the remote. When the button is released, the laser will deactivate to prevent accidental exposure.

## **ADJUSTING LASER POWER WHILE IN AN ACTIVE LASER MODE**

To adjust laser brightness while any laser is active, push the Enter Button to enter the laser power adjustment mode then use the Up and Down buttons to adjust the pointer laser power output. When in a dual mode, the IR Pointer is adjusted first. After adjusting the pointer laser, push the Enter Button again to adjust the illuminator. Upon exiting power adjustment, laser powers are saved and will persist through power cycling.

A total of 10 steps are available for each laser, while the room illuminator supports 5 steps. Low power laser modes support steps 1 through 5, with 5 being the calibrated power. High power lasers support steps 1 through 10, 1 being the lowest and 10 being the highest. Low Power laser supports 1 through 3, 3 being the last of the “eye safe” steps.

## **BATTERY LEVEL INDICATORS**

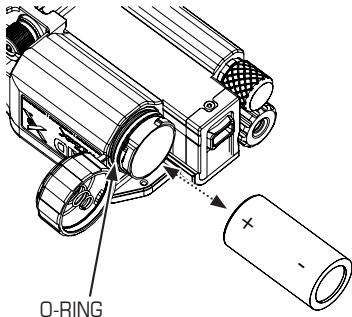
INDICATOR	DESCRIPTION
	Low Battery (Less than 20% Remaining)
	Full Battery

## **INSTALLING AND REMOVING BATTERIES**

REMOVE BATTERY CAP BY TURNING CCW 1/4 TURN AND REMOVING CAP.

INSTALL ONE (1) FRESH CR123 BATTERY (SOLD SEPARATELY) PRIOR TO OPERATION, "+" SIDE FIRST.

INSPECT BATTERY COMPARTMENT O-RING SEAL FOR DAMAGE OR WEAR. REPLACE IF NECESSARY, LUBRICATING THE O-RING WITH A SILICONE GREASE PRIOR TO INSTALLATION.



## PRODUCT IDENTIFICATION

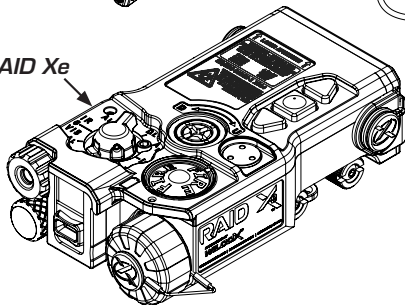
LASER SAFETY  
VISOR



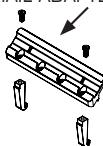
THREE BUTTON PRESSURE  
PAD, 12", SINGLE CABLE



RAID Xe



RAIL ADAPTER



CARRYING POUCH



Xe UTILITY TOOL



## CLEANING KIT



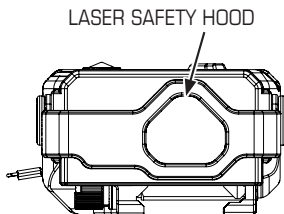
CLEANING BRUSH



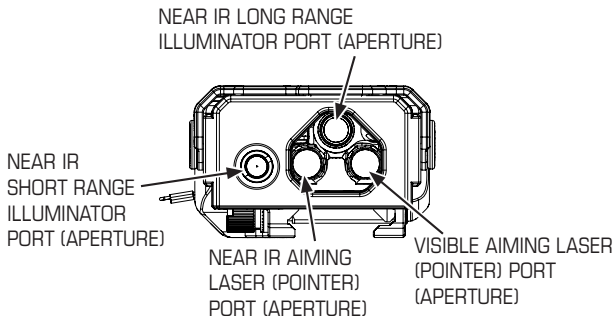
CLEANING  
CLOTH

---

## FEATURE IDENTIFICATION



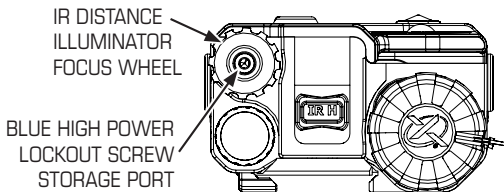
**FRONT VIEW,  
LASER SAFETY HOOD ENGAGED**



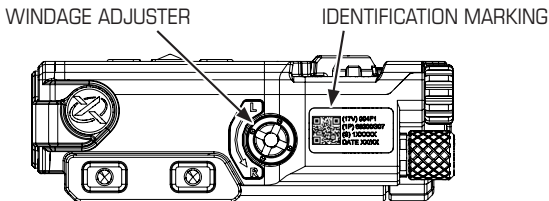
**FRONT VIEW,  
LASER SAFETY HOOD STOWED**

---

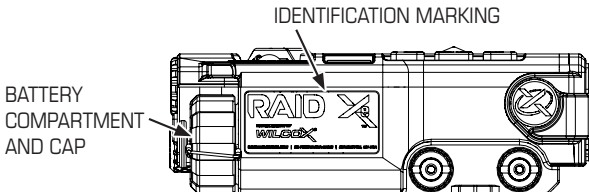
## FEATURE IDENTIFICATION (CONTINUED)



**REAR VIEW**



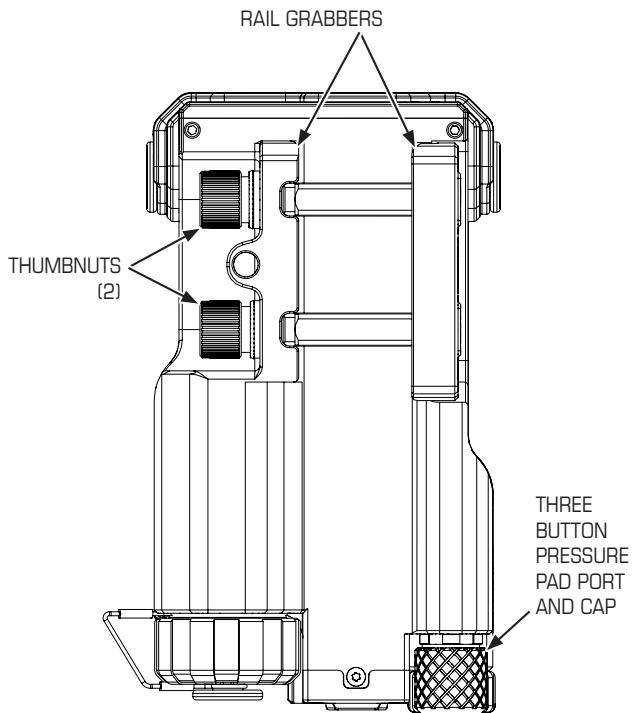
**LEFT SIDE VIEW**



**RIGHT SIDE VIEW**

---

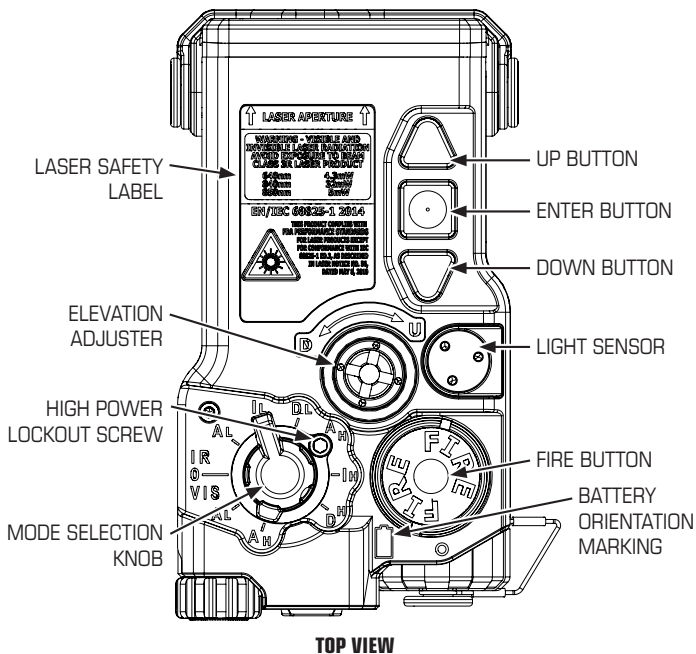
## **FEATURE IDENTIFICATION** (CONTINUED)



**BOTTOM VIEW**



## FEATURE IDENTIFICATION (CONTINUED)



---

## **CARE AND MAINTENANCE**

Dismount the **RAID Xe** from the primary weapon and inspect the unit for dirt, rust, and corrosion. If the display or lenses are broken or cloudy, notify the unit armorer.

Make sure the Battery Compartment Cap and O-ring are tightly sealed and that the area is free of sand and dirt particles. If a Battery Compartment Cap O-ring becomes cut, nicked, or torn, notify unit armorer.

Dirt and other residue, like exposure to salt water, may impede the mechanical operation of the **RAID Xe**. Flush exterior with fresh water to remove any debris. Blow any residual dirt or dust free from the lenses, then wipe with a clean Lens Cloth, provided. Do not use the brush provided for cleaning optic glass and laser port (aperture) lenses. Using the brush, remove dirt and debris from the mounting rails and controls. This should be done on a regular basis.

After flushing and cleaning with fresh water to remove debris, if further lens cleaning is necessary, use the clean Lens Cloth provided with a small amount of Isopropyl (Rubbing) Alcohol.

Always keep the Lens Covers and Battery Cap fully installed when not in use to prevent entry of foreign debris, protect the port from corrosion, and prevent scratching of the lenses.

---

## **WARRANTY CLAIM AND SERVICE INFORMATION**

For warranty claim or service work, WX must be contacted in the United States at (603) 431-1331 or Customer Service through our online support page at [wilcoxind.com/contact](http://wilcoxind.com/contact) to obtain a **Return Merchandise Authorization (RMA)/Service Call Number (SC)** prior to returning your Wilcox product.

After an RMA/SC number is issued, WX will accept your package at the address indicated below, clearly marked with the RMA/SC number:

**Wilcox Industries Corp.**  
**RMA/SC # \_\_\_\_\_**  
**One Wilcox Way**  
**Newington, NH 03801 USA**

The Wilcox product must be securely packaged to prevent damage, accompanied by your name, address, daytime phone number to contact you, and a description of the problem or work you wish to be performed.

**Manufactured by:**

**WILCOX<sup>®</sup>**

**Wilcox Industries Corp.  
One Wilcox Way  
Newington, NH 03801 USA**

**Phone: +1 603-431-1331**

**Fax: +1 603-431-1221**



**WWW.WILCOXIND.COM**

**For troubleshooting service questions,  
contact Wilcox between 8am and 5pm EST.**

© 2017-2024 Wilcox Industries Corp. All rights reserved. Printed in USA. Patent pending. Wilcox<sup>®</sup>, ERGOCTO<sup>®</sup>, and the Wilcox "X" Logo are federally registered trademarks of Wilcox Industries Corp. Xe<sup>™</sup> is a trademark of Wilcox Industries Corp. All other trademarks and federally registered trademarks in this manual are the property of their respective companies. Specifications and other data are subject to change without notice.