

MC Series Camera

INSTALLATION GUIDE



TABLE OF CONTENTS

Installation Overview	. 3
Reference: Using the Band Clamps	. 4
Step 1: Camera Installation	. 5
Step 2: Solar Panel Installation	. 11
Step 3: Cable Connections & Configuration	17
Final Checklist	18

Don't want to use paper instructions? Scan the QR code!



INSTALLATION OVERVIEW

BEFORE YOU BEGIN

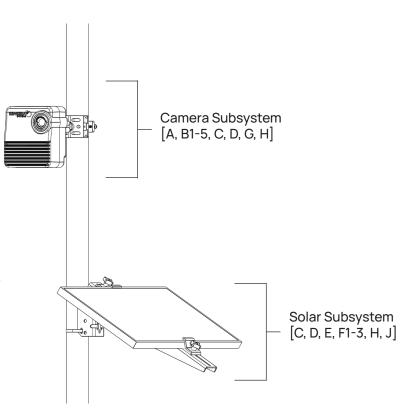
- Expect each camera installation to take approximately 30 mins
- Two people recommended
- Make note of each camera serial number (bottom of camera) and installation location for later reference
- Please note the layout of the subsystems the solar panel should be mounted underneath the camera
- Use the Site Plan provided by your Sensera Systems representative to ensure your camera is placed in the correct location

TOOLS REQUIRED

- Drill recommended for use with 7mm Nut Driver (D)
- No. 2 Phillips-head screwdriver
 for band clamps (C)
- Optional ½" Nut Driver for Camera Arm hardware (B)
- Optional Smart device for SenserAlign app

WHAT'S INCLUDED

- A: Camera
- B1-5: Camera Arm
- C: Band Clamps*
- D: 7mm Nut Driver*
- E: Solar Panel
- F1-3: Solar Panel Arm
- G: Wrench (1/2" Hex)
- H: Wood Screws*
- J: Large Washers for Wood Screws*
- K: Indoor AC Power Adapter**
- · L: Lens Wipe for Camera Window

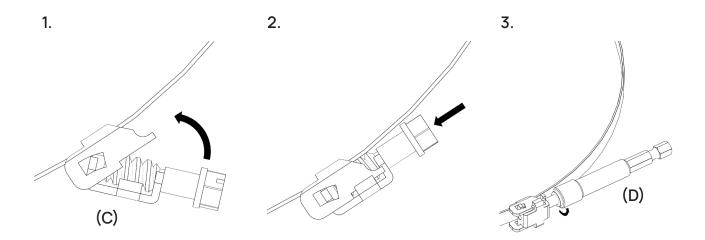


^{*}Note that some items may not be used depending on your installation solution.

^{**}Indoor AC Power Adapter for indoor use **only**. Store the adapter for offline camera charging and troubleshooting.

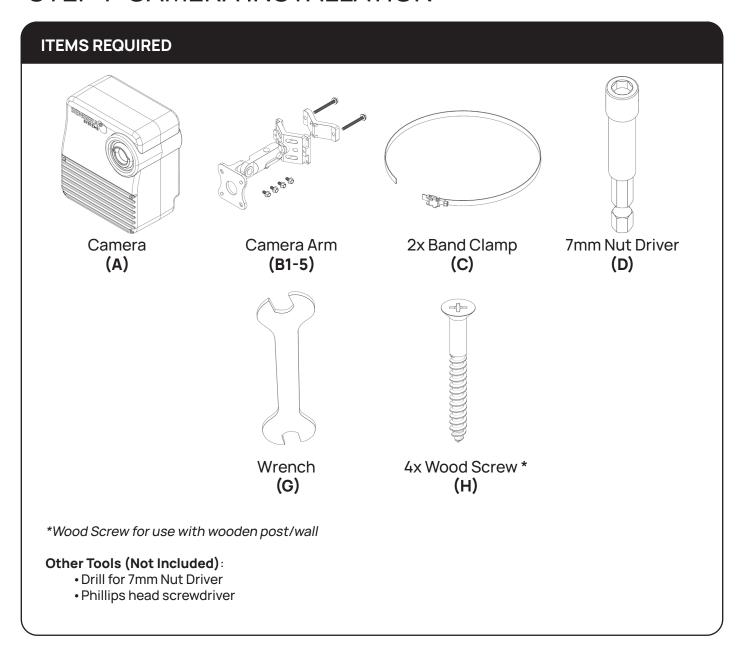
REFERENCE: USING THE BAND CLAMPS

Sensera Systems cameras come with quick eject band clamps for easy installation and adjustment.



The band clamps **(C)** can be tightened/loosened with the included nut driver **(D)** and a drill, OR a Phillips head screwdriver.

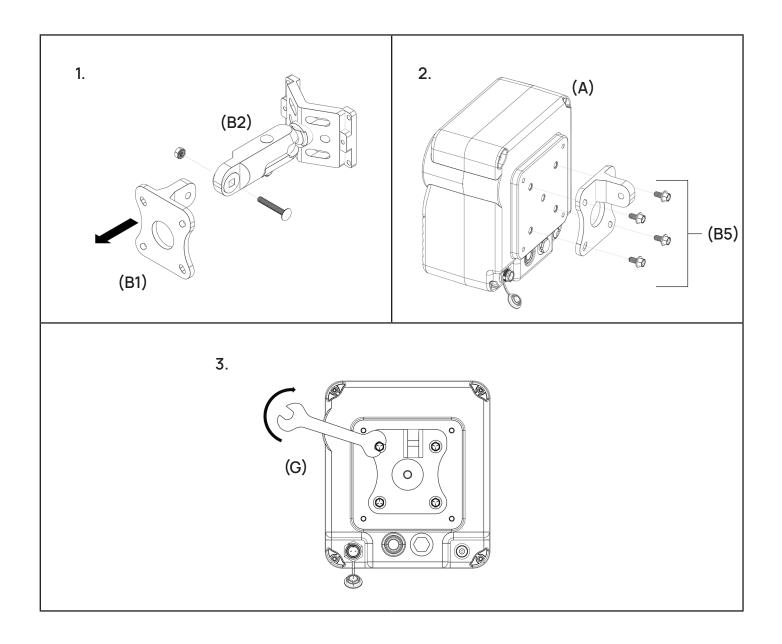
STEP 1: CAMERA INSTALLATION



CAMERA PLACEMENT REQUIREMENTS

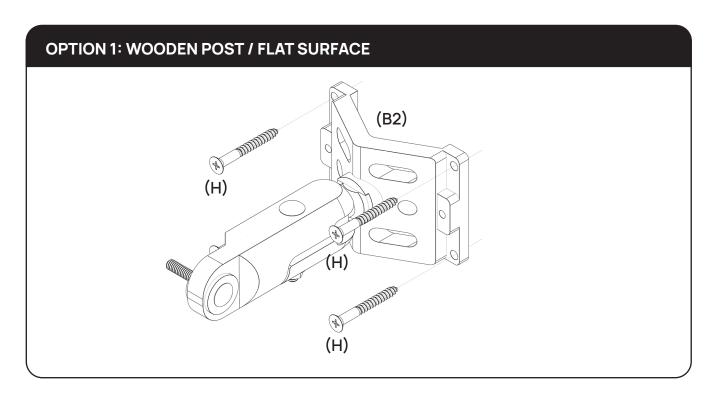
- Site Plan: Follow the included Site Plan for camera placement
- Accessibility: The camera should be easily accessible for maintenance

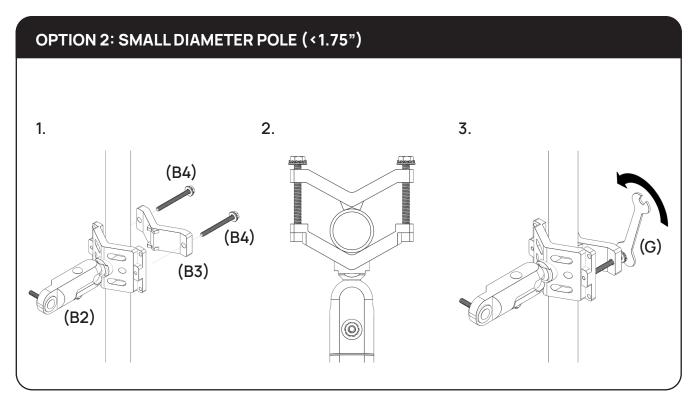
1A: REMOVE THE HINGE FROM THE CAMERA ARM AND ATTACH TO THE BACK OF THE CAMERA



1B: MOUNT THE CAMERA ARM

Select **ONE** of the following four options corresponding to your mounting solution.





1"

2"

マ"

۷" ـ

5" -

b" -

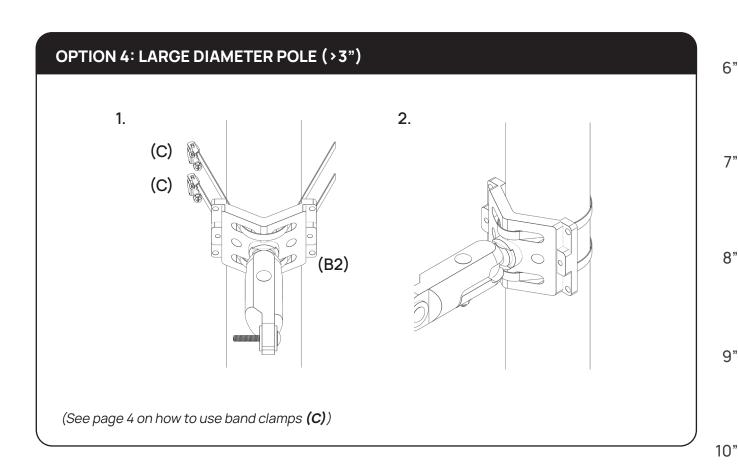
7"

8"

Q"

10"

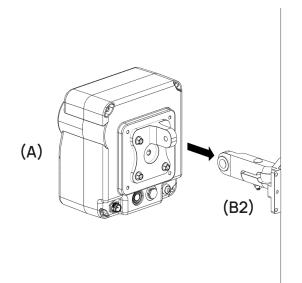
1. 2. 3. (B4) (B3) (B3)

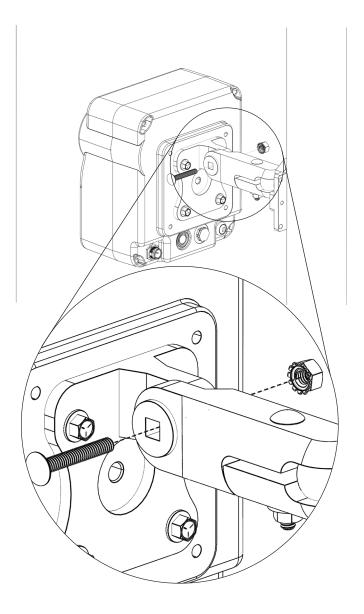


1C: ATTACH THE CAMERA TO THE CAMERA ARM

CAUTION: Camera will be loose on arm until screws are tightened as shown on the following page.

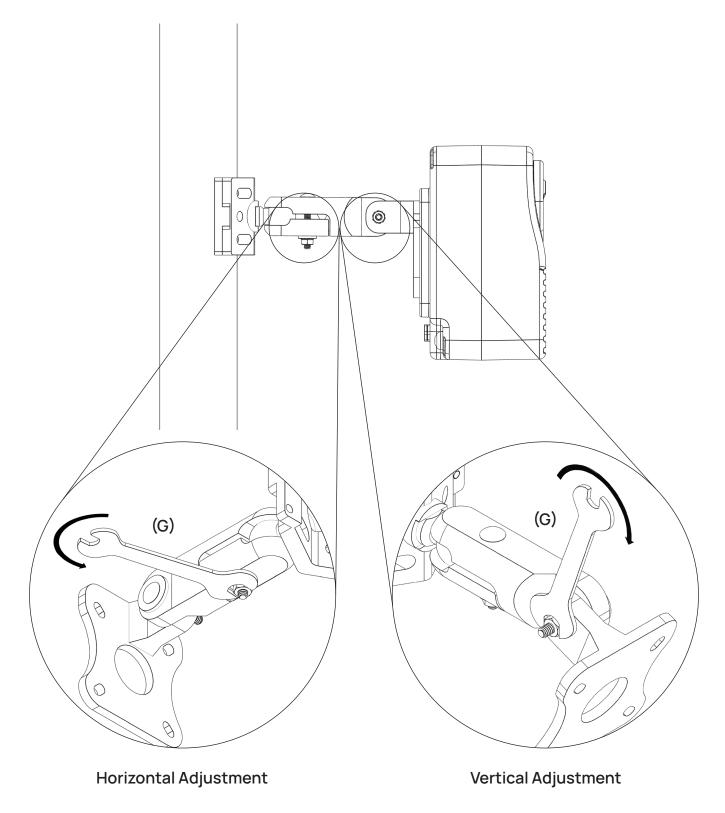
1. 2.



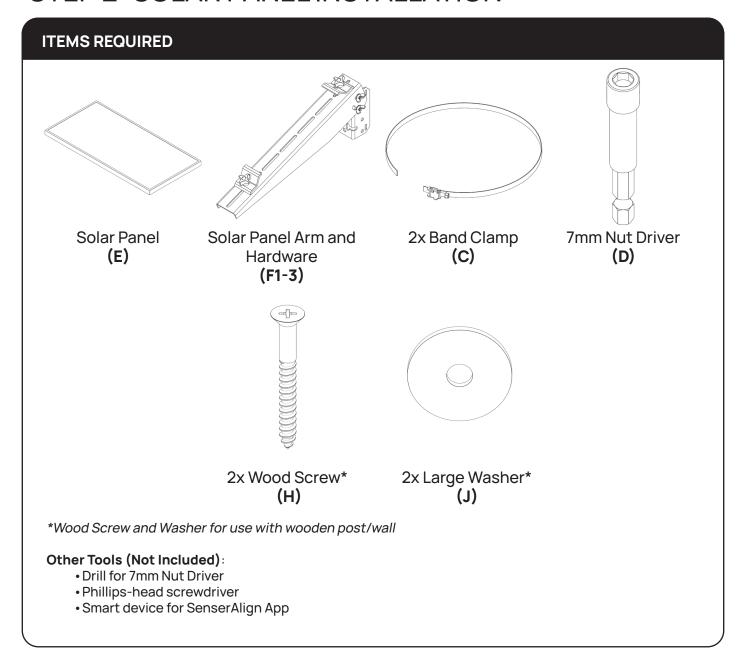


1D: ADJUST THE CAMERA

Modify the angle of your camera arm to get the desired field of view by adjusting the screws at the two points shown below.



STEP 2: SOLAR PANEL INSTALLATION

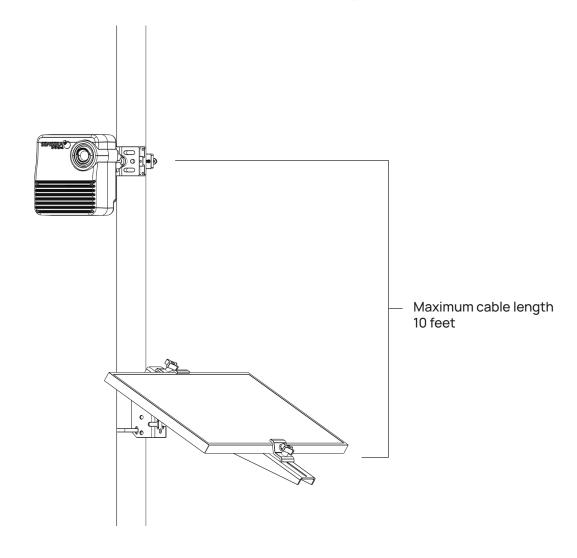


2A: MOUNT THE SOLAR ARM

For poles/masts, place your panel **below** the cameras and accessories, as low to the ground as cable length will allow for:

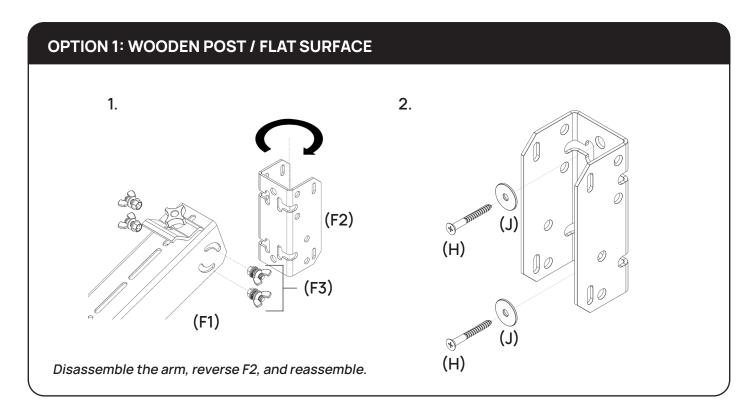
AND

- Face the solar panel south: Use the SenserAlign app to ensure you point the solar panel south (for sites north of the equator) for adequate sunlight exposure
- Avoid crowding: Make sure the cameras, accessories, or other solar panels do not shade or obstruct the lowermost solar panels
- Avoid shadows: Make sure the system's location is clear of any nearby obstructions that could cast shadows. Even a very small shadow can greatly reduce output power



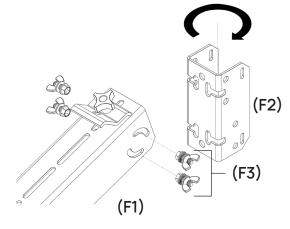
2B: MOUNT THE SOLAR ARM

Select **ONE** of the following three options corresponding to your mounting solution.

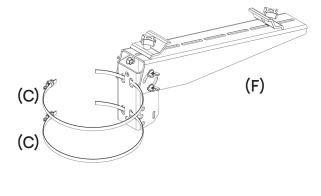




1.



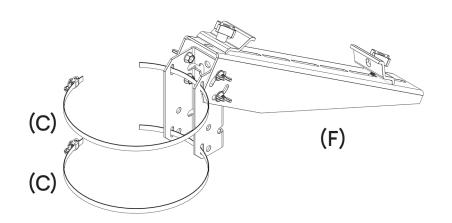
2.



Disassemble the arm, reverse F2, and reassemble.

(See page 4 on how to use band clamps (C))

OPTION 3: FOR LARGE DIAMETER POLE (>2.75")



(See page 4 on how to use band clamps (C))

3" —

4" –

5" —

b" -

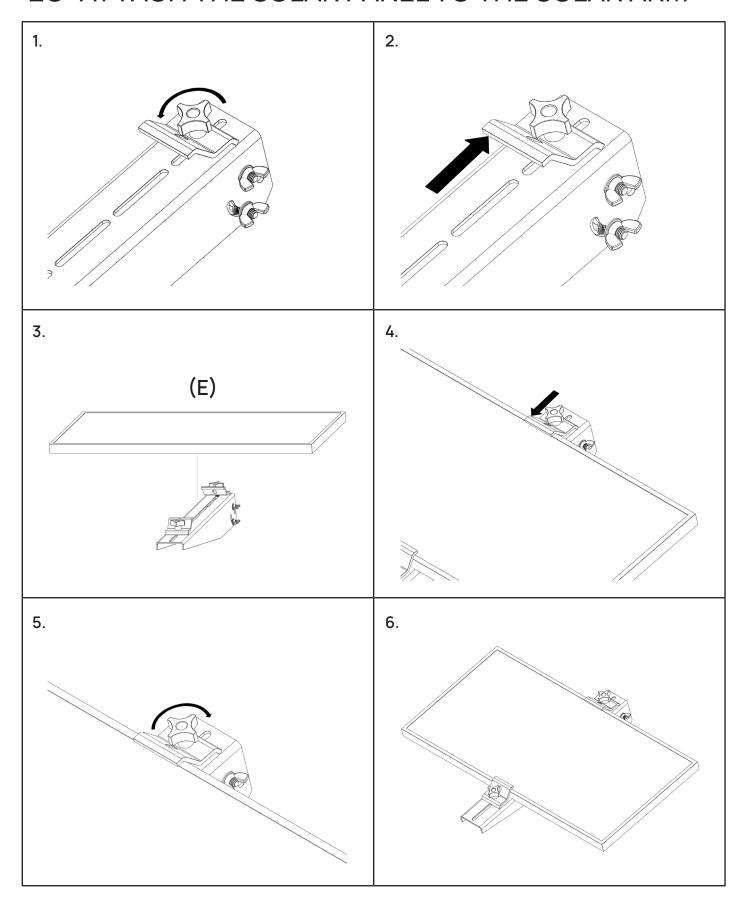
/*"* ——

8" ____

מ כ

10" -

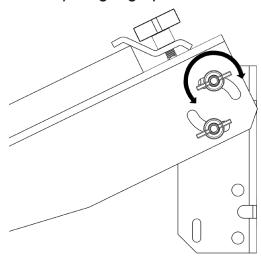
2C: ATTACH THE SOLAR PANEL TO THE SOLAR ARM



2D: ADJUST THE ANGLE OF THE SOLAR ARM

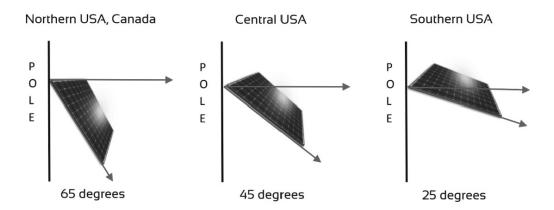
Set the solar panel at the recommended angle for optimal sun exposure using the wing nuts.

This angle will vary based on your geographic location.



SenserAlign: Scan the QR code to download SenserAlign to help you properly position your solar panel. Available in the App Store and Google Play Store.

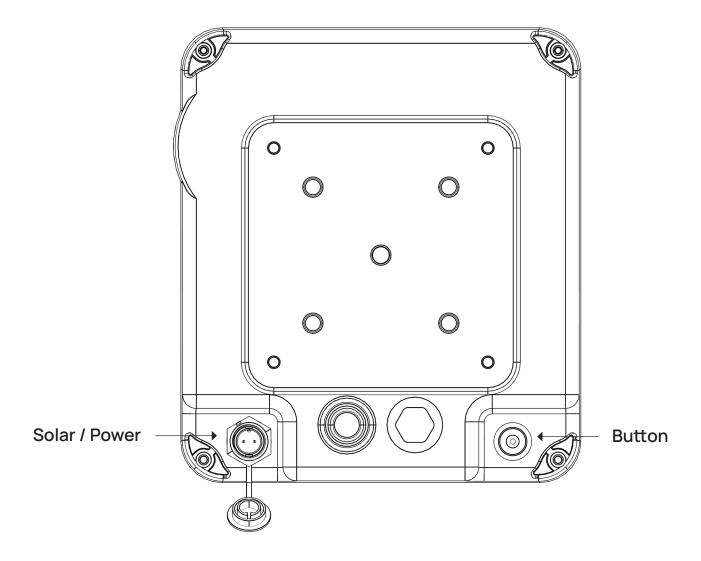




*If you are located outside of North America, please use the SenserAlign App for the correct angle

STEP 3: CABLE CONNECTIONS & CONFIGURATION

- 1. The power port on the camera is covered by a weather-resistant cap. Remove the cap from the port.
- 2. Insert the solar or AC power cable to the power port. Note the keyed connector, which must be aligned during connection.
- 3. Twist the locking ring until you feel it click into place to secure the connection.



FINAL CHECKLIST

	Cross check camera placement with Sensera Systems Site Plan	
	Take an on demand picture in SiteCloud to verify field of view	
	Double check all cable connections and their locking mechanism	
	Keep a copy of your serial numbers, locations, and the type of accessories each camera has for future reference	
	Keep your indoor AC charger in a secure location	
	Schedule an onboarding session with Sensera Systems Customer Support	
REMINDER : Hardware is provided for multiple mounting solutions and there will be extra components at the end of installation.		

Limited Warranty

July 1st, 2021

1. LIMITED PRODUCT WARRANTY

11.1 WHAT IS COVERED

This limited warranty covers defects in materials and workmanship in Products.

11.2 WHAT IS NOT COVERED

This limited warranty does not cover any damage, deterioration, or malfunction resulting from any al teration, modification, tampering, improper or unreasonable use or maintenance, misuse, abuse, accident, neglect, exposure to extreme weather conditions, environmental conditions outside the specified ranges, fire, improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature or God.

11.3 HOW LONG THIS COVERAGE LASTS

This limited warranty with respect to any purchased Products lasts three (3) years from the original invoice date under which Buyer is billed for each such Product. This limited warranty for all rental Products lasts for the Rental Term applicable to each such Product.

11.4 WHO IS COVERED

If Buyer resells any Products, this limited warranty does not transfer to the new owner upon resale.

- 11.5 WHAT SENSERA WILL DO UNDER THIS LIMITED WARRANTY SENSERA will, at its sole option, provide one of the following two remedies to satisfy a proper claim under this limited warranty:
- 1. Elect to repair any defective Products within a reasonable period of time, free of any charge for the necessary parts and labor to repair the Products to their proper operating condition.
- 2. Replace the defective Products with, at its sole option, new or refurbished replacement Products or with similar Products deemed by SENSERA to perform substantially the same function as the original Products.

Products that Buyer purchased that are repaired or replaced under this limited warranty will be warranted for the remainder of the original warranty period or ninety (90) days, whichever is longer. Products that Buyer rents that are repaired or replaced under this limited warranty will be warranted for the remainder of the original warranty period.

- 11.6 WHAT SENSERA WILL NOT DO UNDER THIS LIMITED WARRANTY SENSERA will not be responsible for any costs related to the removal or return of the Products. SENSERA will not be responsible for any costs related to any re-installation of the Products or any adjustment of User controls or any programming required during any re-installation of the Products.
- 11.7 HOW TO OBTAIN A REMEDY UNDER THIS LIMITED WARRANTY To obtain a remedy under this limited warranty, Buyer must contact SENSERA Customer Support at 800-657-0437 or support@senserasystems.com. Buyer must provide the serial number for the affected Product and the original invoice under which the defective Product was purchased as proof of purchase. If a Product is to be returned for repair or replacement, a return authorization number ("RMA Number") is required and will be provided to Buyer. Buyer will securely package the returned Product in a carton bearing the associated RMA Number. If a replacement Product is provided and SENSERA does not receive the defective Product to be returned under this limited warranty within fourteen (14) days of SENSERA providing the RMA Number to Buyer, SENSERA reserves the right to invoice, and Buyer will promptly pay, as applicable, (i) a late return fee owing for the period following the fourteen (14) day return window and the date on which SENSERA actually receives the returned Product, or (ii) a non-return fee, up to the then current published purchase price for the replacement Product, if Buyer never actually returns the defective Product.

11.8 OTHER CONDITIONS

This limited warranty is void vis-a-vie a certain Product if (a) the label bearing the serial number of the Product has been removed or defaced; or (b) the Product is not distributed by SENSERA.