

INSTALLATION MANUAL WITH WOODEN POST BASE

SOLAWARE®



ASSEMBLY TIPS, TOOLS AND NOTES:

How to select and prepare your building site:

Before you start to assemble the SOLAWARE® Unit, you will want to decide on a good location for installation.

Installation should be done on a flat and strong surface that receives direct sunshine for most of the day and is not shaded by trees or buildings.

Keep children and pets away from the worksite during construction and until the parts are completely assembled. This will help avoid distractions and any potential accidents.

Watch the weather closely:

Be sure the day you choose to install the Unit is dry and calm. Be careful on wet and muddy ground.

Tools and materials used for installation:

Practice caution with the tools being used in the assembly of this SOLAWARE® Unit. Be especially familiar with the operation of all power tools.

- work gloves
- safety glasses
- hammer drill and power drill



- Tamper-Resistant/Security Screwdriver bits - For the Button Head Torx screws, Size T25-TR
- Shovel
- Drill bits - For drilling holes in concrete, Size - 3/8 in. Diameter x 6 in. Length
(Recommended drill bit – Bosch's Blue Granite Turbo Carbide Hammer Drill Bit for Concrete, Stone and Masonry Drilling, model: HCBG12T)

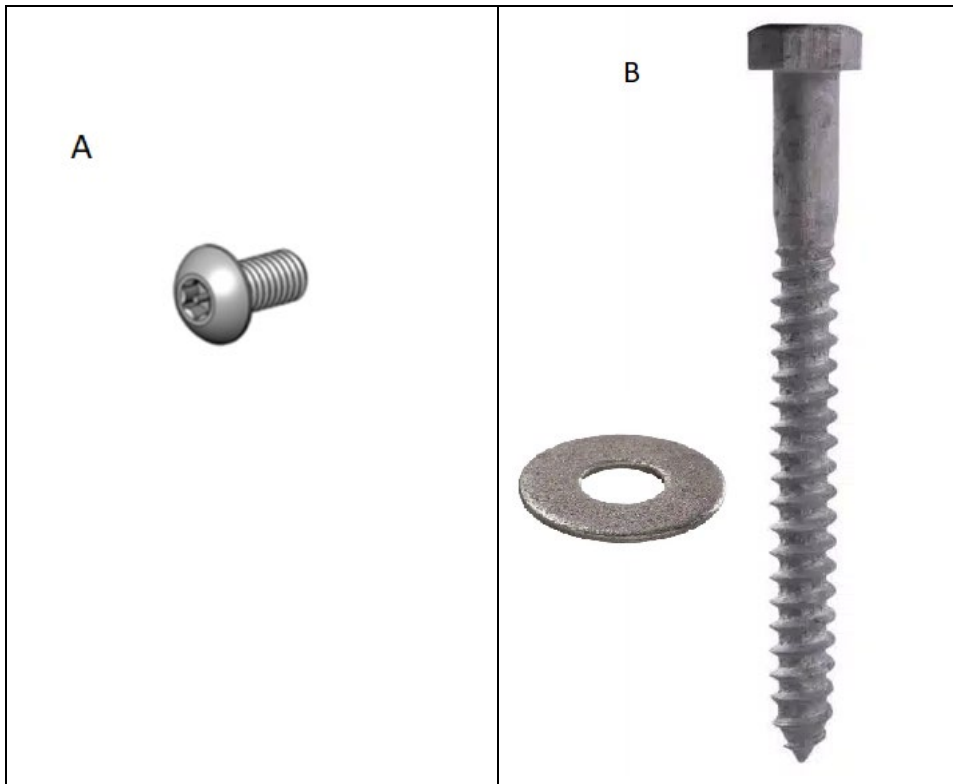
Note:

- Do not attempt to assemble the unit before double checking that you have all the parts indicated on both the parts list and the hardware list.

HARDWARE LIST

Key No.	Mfg. Part No.	VR Part No.	Part Description	Quantity	✓ List
A	91900A855	HDWE0028	Tamper-Resistant Button Head Torx Screws, M5X0.80mm Thread, 10mm long	15	
B	803906 802284	HW1020 HW1212	Galvanized Hex Lag Screw Galvanised Flat Washer	4 / each	

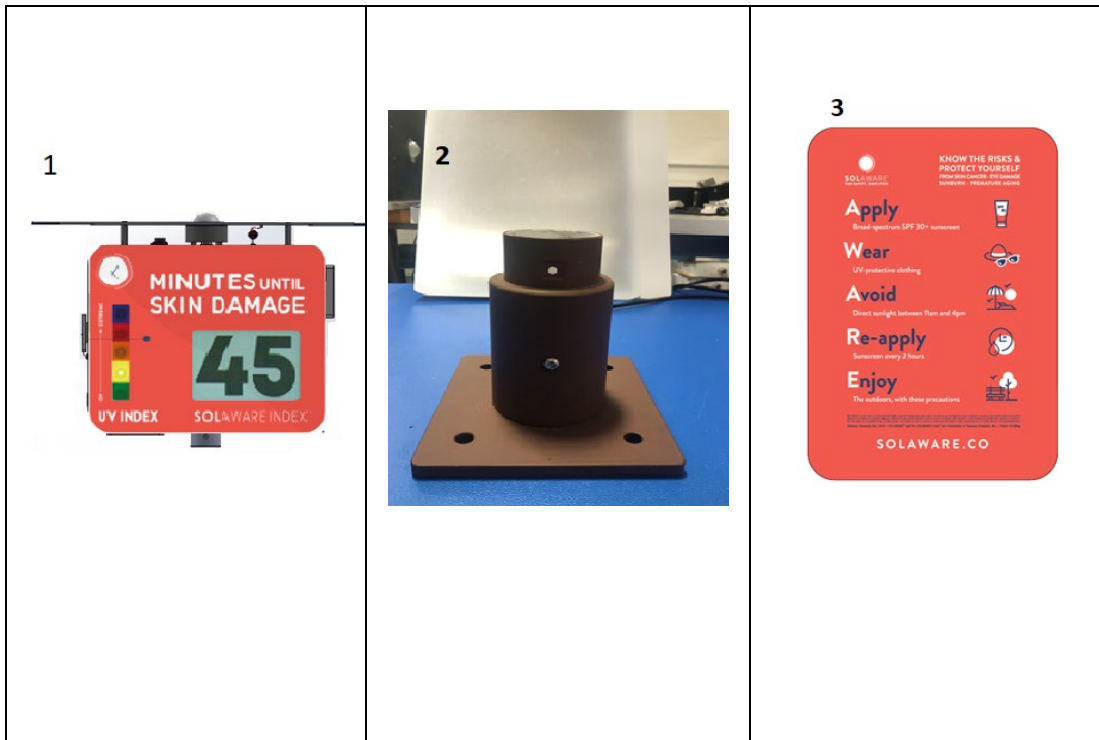
HARDWARE PICTURES WITH KEY NO.



PARTS LIST

Key No.	VR Part No.	Part Description	Quantity	✓ List
1	HUSR0002	Head Unit Assembly	1	
2	CC1012	Customized Pole Base with pre-installed SHORT (5 1/8") Pole Section	2	
3	SA1402	UV Index Education Signage	2	

PART PICTURES WITH KEY NO.



ASSEMBLY BY KEY NO.



1. MOUNTING A CUSTOMIZED BASE ON A WOODEN POST

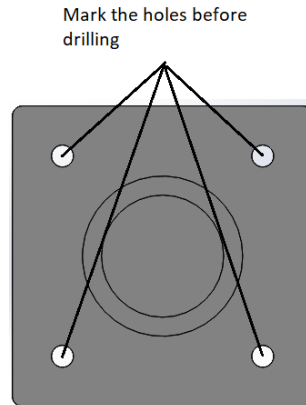
1.1 Option 1: - Directly on wooden post

Tools Used	Drill, Drill Bit, Socket, Socket wrench or Socket drill adapter, Torx driver bit.
Hardware Used	B
Parts Used	2

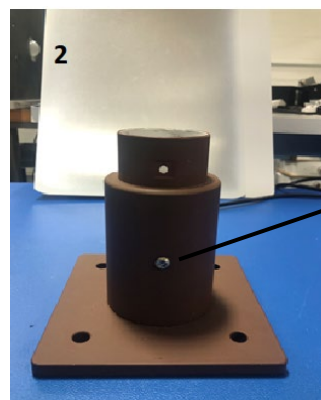
Safety Precautions:

- Avoid baggy clothing, Loose sleeves, jewelry.
- Properly set the drill bit and apply proper pressure to the drill.
- Wear protective gear.

- I. **STEP 1:** Take the Pole Base and use it as a template to mark the four holes on the flat top of the 6x6 wooden post where the SOLaware unit will be mounted. Remove the Pole Base.



- II. **STEP 2:** Lag Screws require Pilot Holes that have a smaller diameter than the actual screw. For the included 3/8" diameter Lag Screw, the suggested pilot hole should be between 11/64" (for softer woods) and 1/4" (for harder woods). Use the appropriate-sized drill bit to drill the four marked holes (from the above step) to a depth of 4". After drilling the holes, clear the holes of debris, using either a vacuum or compressed air. The top section of the shank of the Lag Screws is wider than the threaded section and, for the best fit, the first ONE INCH ONLY of the pilot holes can be drilled with a 3/8" bit ... again, to a depth of ONLY one inch (the deeper three inches of the pilot hole must be smaller, as noted above).
- III. **STEP 3:** Position the Customized Pole Base (key: 2, p/n: CC1012) atop the 6x6 Wooden Post. There are four possible orientations, which can be changed by rotating the Base 90-degrees. You want the position which locates one of the three pre-installed button head screws, and the empty screw hole above it, directly in front ... in-line with the center of the front face of the post itself. The reason for this orientation is to ensure that the SOLaware unit will be facing forward when it is mounted.



Hole orientation facing forward to ensure that the Solaware unit will be facing forward.

- IV. **STEP 4:** Place a washer over one of the four corner holes of the Pole Base and then insert the tip of a Lag Screw (key: B, p/n: HW1020) through the washer and into the pre-drilled pilot hole. Use a 9/16" socket (a 14mm will also work) to drive the Lag Screw down into the hole. Do not drive it all the way down into hole – leave approx. 1/2" length exposed and then install the remaining three Lag Screws in the same manner. After all four screws are installed as described, adjust the alignment of the Pole Base such that it is perfectly “square” to the wooden post and tighten the four Lag Screws all the way down.

2. INSTALLING A HEAD UNIT ON POLE BASE

Tools Used	Power drill, T25 Security bit
Hardware Used	A
Parts Used	1

- I. **STEP 1:** - After the Pole Base is secured to the wooden post, lower the SOLaware unit onto the Pole Base. Rotate the SOLaware unit as needed until the small screw holes in its Pole Adapter Collar line-up with the small screw hole in the top section of the Pole Base. Insert the three M5 x10mm long Button Head Screws (key: A, p/n: HW1009) into the screw holes and tighten using a TORX Security bit, size: T25-TR (Tamper Resistant)..



3. TURN ON THE SWITCH

- I. **STEP 1:** - Press the Switch (S) Button to turn ON the Unit. Check the LED lights and the display screen to turn ON.



Troubleshoot

- If the Display screen and LED lights do not turn On, there is a possibility that the battery in the Head Unit is drained out.
- Charge the Head unit by plugging the power supply to the point (P) using the given power cord.

Klarex® Health, LLC
PO Box 185755
Hamden, CT 06518 USA
klarexhealth.com

