



# MOTORIZED RETRACTABLE AWNING

**Model 95295**

## SET UP AND OPERATING INSTRUCTIONS

Diagrams within this manual may not be drawn proportionally.

Due to continuing improvements, actual product may differ slightly from the product described herein.

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**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

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**For technical questions or replacement parts, please call 1-800-444-3353.**

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## SAVE THIS MANUAL

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Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

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## IMPORTANT SAFETY INFORMATION

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In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### **DANGER**

**DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### **WARNING**

**WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### **CAUTION**

**CAUTION**, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### **NOTICE**

**NOTICE** is used to address practices not related to personal injury.

### **CAUTION**

**CAUTION**, without the safety alert symbol, is used to address practices not related to personal injury.

## **SAFETY RULES**



**WARNING! Read all instructions**

**Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.**

SAVE THESE INSTRUCTIONS

## **INSTALLATION**

1. **Keep bystanders away during installation.** Distractions can cause you to lose control.
2. **Mount out of reach of children.** The machinery in this awning can be dangerous to children.
3. **Do not install while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention during installation may result in serious personal injury.
4. **Dress properly during installation. Do not wear loose clothing or jewelry. Contain long hair.** Loose clothes, jewelry, or long hair can cause an entanglement hazard while working.
5. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance reduces the risk of losing your balance and falling. Always carefully follow all safety guidelines and operating procedures included with the ladder used during installation.
6. **Use safety equipment while installing.** Nonskid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Wear ANSI-approved safety goggles and a dust mask/respirator when installing or performing maintenance on this item.
7. **Mounting and electrical installation must be completed in full compliance with all local, state, and federal regulations.**
8. **Mounting location must be a stable, properly constructed wall that is built in compliance with all codes and is able to properly support the full stress of the awning when open and even the added stresses that may be present under rainy or windy conditions.**
9. **WARNING!** The brass components of this product contain lead, a chemical known to the State of California to cause birth defects (or other reproductive harm). (California Health & Safety code § 25249.5, *et seq.*)
10. **Risk of Electric Shock:**
  - a. **Water tight NEMA-approved switch enclosure must be used, and switch and enclosure must be installed by qualified electrician.** Make sure that

- the power cord is fitted with a weatherproof seal to prevent water from getting into the connection point. Do not use an extension cord when installing this item.
- b. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.** There is an increased risk of electric shock if your body is grounded.
  - c. **Do not abuse the Power Cord. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately.** Damaged Power Cords increase the risk of electric shock.

## OPERATION

1. **Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Electric motors create sparks which may ignite the dust or fumes.
2. **Disconnect power if the switch does not operate the awning.** Any device that cannot be controlled with the switch is dangerous and must be repaired.
3. **Do not use this Awning or components of this Awning for an unintended purpose.**
4. **Disconnect from the power source before making any adjustments or performing any inspection, maintenance, or cleaning procedures.** Such preventive safety measures reduce the risk of accidental starting and electric shock.
5. **Maintain with care.** A properly maintained awning is safer and less likely to break.  
**Maintain labels and nameplates on the awning.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
6. **Check for condition of weatherproof cord seal, misalignment or binding of moving parts, breakage of parts, deteriorated cover, and any other condition that may affect the tool's operation. If damaged, have serviced before using.** Accidents can be caused by a poorly maintained awning.
7. **Ensure that the awning cover does not accumulate water.** The weight from even a seemingly small amount of water may create enough force to cause the awning to fail, resulting in injury or property damage.
8. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one awning may become hazardous when used on another.
9. **Service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

10. **When servicing, use only identical replacement parts. Follow instructions in the “*Inspection, Maintenance, and Cleaning*” section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.
11. **Do not allow awning to accumulate snow or other debris on top.** Close awning before snow. A heavy load on top may cause the cover to tear, cause the mounting points to tear out of the wall, or cause the awning to collapse, causing severe personal injury and/or property damage. Do not go under an awning with accumulated debris on top.
12. **Check and comply with all building codes that apply.**
13. **The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur.** It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



**SAVE THESE INSTRUCTIONS.**

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## SPECIFICATIONS

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Electrical Requirements	110 V~ / 60 Hz / 2.4 A
Motor Operating Temperature	59 – 104° F
Awning Size	10' x 12'
Weight	96 lb.

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## UNPACKING

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When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

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## INSTALLATION INSTRUCTIONS

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**Note:** For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

1. This item's brackets can be bolted directly onto a solid concrete wall, using appropriate lag bolts and washers (not included). Due to the leveraging forces created, this item will require a Header board (not included) if installed onto any non-concrete structure.
2. Install proper scaffolding (not included) to allow safe access to the installation area. Utilize safety equipment as required for the height you are working at. **To prevent serious injury, follow all instructions and precautions provided with the scaffolding you will use.**



### **WARNING**

**Risk of serious personal injury from electric shock or other hazards from damaged utility lines.**

**Verify that installation surface has no hidden utility lines before drilling or driving screws. The installation location must have no obstructions to the awning being extended or retracted.**

**Make sure that the electrical circuit that this item will be connected to is disconnected before installation, adjustment, or maintenance.**

### **Header Installation**

1. The header board must be 2" by 8" by 12' and must be treated wood free from defects. The header may also be painted before installation for aesthetic appeal.
2. Check to make sure that the mounting area is free from utility lines, especially electrical conduits. Detect and mark all studs in the mounting area.
3. Using a level to ensure that the header is perfectly level, have assistants hold the header while the pilot holes are drilled through the header and into each stud 2", a total of 4" deep. Secure the header with hardware appropriate for the wall that you will secure the header to (hardware not included). The header should be secured evenly to studs in at least 8 places.

## **Bracket Installation**



1. Hold the brackets in place and mark the pilot hole locations for the two end Brackets (10), as shown in the diagram above. The end Brackets need to be positioned 16" from the end of the header. Make sure that the pilot hole markings are vertically straight.
2. Mark pilot holes for the center Brackets (10) 3' (center to center) in from the markings for the end Brackets (10). Once again, make sure that the pilot hole markings are vertically straight.
3. Double-check all pilot hole markings to ensure that all markings are spaced properly and are straight vertically and horizontally from one another.
4. Drill pilot holes at all locations 1/4" in diameter and 2" deep.
5. Install the Brackets (10) to the header using 3/8" x 2" galvanized wood screws (not included). Do not tighten the bolts until you level the brackets using a spirit level (not included).

## **Mechanism Installation**

1. Using assistance, lift the awning mechanism up onto the floor of the scaffold from the ground. Get onto the scaffold.
2. Lift the awning mechanism up and slide the Rear Beam (11) into place in the Brackets (10). If the Rear Beam (11) does not slide into place easily, then some Brackets may be crooked; set the mechanism down and correct Bracket alignment before proceeding. Make sure that the awning mechanism is oriented properly.
3. Support the mechanism while sliding bolts up through the Brackets and secure them on top with a washer, lock washer, and nut each.

## **Electrical Connection**

1. A certified electrician must install the switch inside a water tight NEMA-approved outdoor switch enclosure (not included). Make sure that the power cord is fitted with a weatherproof seal to prevent water from getting into the connection point. **To prevent misuse resulting in injury, the switch enclosure must either be locked or be mounted out of children's reach.**



2. Wire color code:
  - Green ..... Ground
  - White ..... Neutral
  - Red ..... Retract awning
  - Black ..... Extend awning
3. Take note of which switch position is to retract and which position is to extend the awning. Note the control positions next to the switch in the enclosure.

### **Angle Adjustment**



#### **CAUTION**

**To prevent damage to the awning and personal injury, have one or two assistants help support the awning while adjusting the angle.**

1. The awning's angle should be adjusted with the awning retracted.
2. Slightly loosen the three Angle Adjusting Bolts/Nuts (r,e) on one side of the awning. Adjust that side of the awning to the desired angle. Tighten the Angle Adjusting bolts.
3. Slightly loosen the Angle Adjusting Bolts on the other side of the awning. Observe the Level (21) while you adjust the angle of the awning. Once the level is even, then tighten the Angle Adjusting Bolts.

### **Extension/Retraction Distance Adjustment**

1. The Awning extension and retraction cutoffs are factory set.
2. On the Left Roller Shaft (5) there are two recessed hexagon controls. The upper control adjusts the extension distance, and the lower control adjusts the retraction distance.

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## OPERATION INSTRUCTIONS

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Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.



### CAUTION

In an emergency, to prevent an accident, the awning can be immediately stopped by releasing the switch.

1. Push the switch to the extend position and hold it to extend the awning.
2. Release the switch to stop the awning in place.
3. Push and hold the switch to retract the awning.
4. The awning should automatically stop when fully extended and when fully retracted. If not, the distance will need to be adjusted using the controls noted under "Extension/Retraction Distance Adjustment".
5. If the awning stops operating and will not respond to the switch, it is likely overheated. Allow the awning to cool for at least 15 minutes and then attempt to operate it again.
6. The awning also includes a Manual Operation Handle (12) that can be hooked onto the Manual Retractor (4) and turned to extend or retract the awning without power.

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## MAINTENANCE AND SERVICING

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### WARNING

Risk of serious personal injury from accidental starting or electric shock. Disconnect the power supply before any inspection, maintenance, or cleaning procedures.

Damaged equipment can fail, causing serious personal injury. Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.
2. **AFTER USE**, clean external surfaces with clean, moist cloth.
3. **WARNING!** If the supply cord or switch are damaged, they must be replaced only by a qualified service technician.

## PARTS LIST

Part	Description	Q'ty	Part	Description	Q'ty
1	Rear Beam Cover	2	a	Bolt 6 x 25	2
2a	Left Roller Cover	2	b	Bolt 10 x 35	6
2b	Right Roller Cover	2	c	Bolt 8 x 70	2
3a	Left Roller Cover Bracket	2	d	Bolt 10 x 60	2
3b	Right Roller Cover Bracket	2	e	Angle Adjusting Bolt 10 x 65	4
4	Manual Retractor	1	f	Bolt 6 x 50	4
5	Left Square Roller Shaft	1	g	Bolt 5 x 40	4
6	Roller	1	h	Bolt 8 x 12	6
7	Right Round Roller Shaft	1	i	Lock Nut M8	2
8	Angle Adjusting Bracket	2	j	Bolt 5 x 10	6
9	Upper Hinge	2	k	Bolt 4 x 10	2
10	Bracket	4	l	Pad	4
11	Rear Beam	1	m	Angle Adjusting Bolt Cover (not shown)	6
12	Manual Operation Handle	1	n	Spring Washer Ø8	2
13	Upper Hinge	2	o	Spring Washer Ø10	6
14	Upper Arm	2	p	Expansion Screw 12 x 100	2
15	Upper Mid Hinge	2	q	Nut M10	2
16	Lower Mid Hinge	2	r	Lock Nut M10	2
17	Lower Arm	2	s	Pin Ø14 x 60	2
18	Lower Hinge	2	t	Pin Ø14 x 96	2
19	Lower Pin	2	u	Spring Washer Ø6	2
20	Front Beam Cover	2	v	Lock Nut M6	2
21	Level	1			
22	Rod	2			
23	Front Beam	1			
24	Motor (not shown)	1			

### **PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Record Product's Serial Number Here:** \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

# ASSEMBLY DIAGRAM

