

WeatherTRAK[®]

Installation Instructions Pedestal Base Mounting

Introduction

The following instructions provide installation steps to:

1. Mount the pedestal to an existing concrete slab in a retrofit application or
2. Layout a new concrete pad including installation of the mounting template and,
3. Attachment of the controller enclosure to the pedestal base once installed.

Contents of Shipping Carton

The shipping carton includes the following parts:

No.	Qty	Description
1	1	Pedestal base (powder-coated steel or stainless steel) w/ access door and door lock
2	2	CH751 door keys
3	1	Metal mounting template for new concrete pedestal mounting only
4	4	Mounting "J" bolts for new installations
5	8	Lock nuts and washers for the "J" bolts and template
6	3	Fasteners to connect the pedestal base to the controller enclosure
7	3	Enclosure fasteners to provide weather protection to wall mount holes
8	1	Installation Instructions
9	1	Paper template to locate the proper hole alignment between the pedestal and some earlier models of the enclosure



If you determine parts are missing, please contact WeatherTRAK Customer Support, toll-free (800) 362-8774 and request replacement parts.

Mounting to an Existing Concrete Slab

The following steps will assist in installing a new pedestal on an existing concrete slab.



Note: Avoid potential electric shock by confirming the AC power conductors are de-energized before starting this work.

Step 1 - Remove the access door and set back inside of the shipping carton for protection.

Step 2 - Remove the existing pedestal and try and preserve some of the mounting studs whenever possible. (See Figure 1)

Step 3 - Determine if some of the existing mounting studs can be reused by slipping the pedestal over the previous mounting studs. Cut and grind off the studs that cannot be re-used.

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Step 4 – Mark and drill new mounting holes with a hammer drill as needed. Used lag shields and lag bolts or expander bolts sometimes call “redheads” in the trade. Neither fasteners are not included in the parts bag.

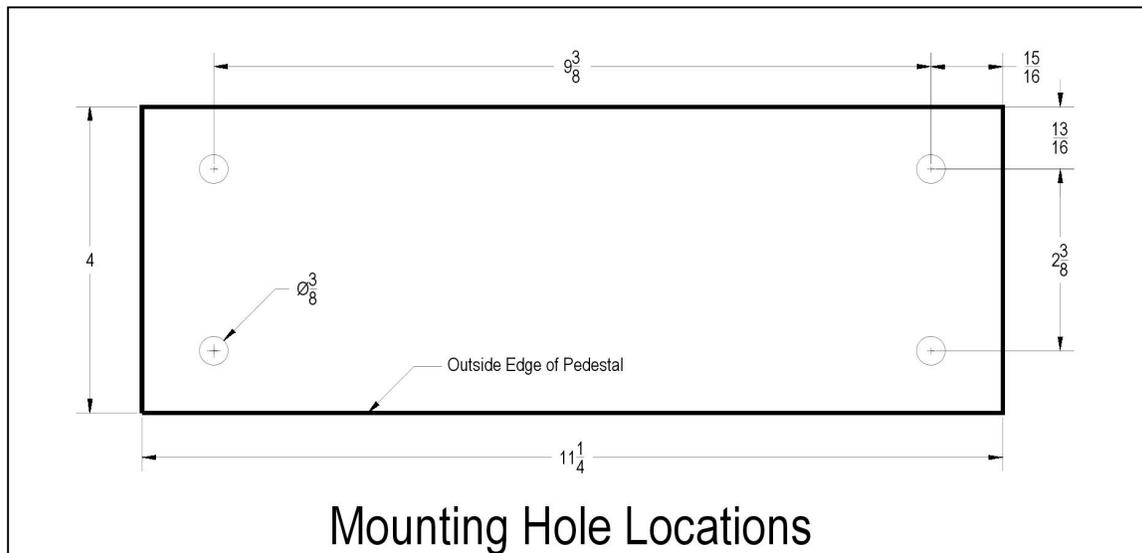


Figure 1

Step 5 – Pull all existing field wires and high voltage wires into the interior cavity of the pedestal as needed. Slide the pedestal over any existing studs or new studs.

Step 6 – Tighten the pedestal to the mounting studs.

Step 7 – Go to “**Attach Pedestal to Controller Enclosure**”.

New Concrete Pad Installations

The following steps will assist in a new installation that requires a poured-in-place concrete footing;

Step 1 – Locate the exact location of the final pedestal location.

Step 2 – Stub up the conduit sweeps for;

- Field wires,
- High voltage wires
- Ground wires (if required)
- Sensor wires (if required)

Compact around this area to ensure the slab does not settle after installation.

Step 3 – Install a concrete form to the dimensions shown in Figure 2. Remove any excess soil within this form as needed.



Note: The form should be level in two perpendicular directions.

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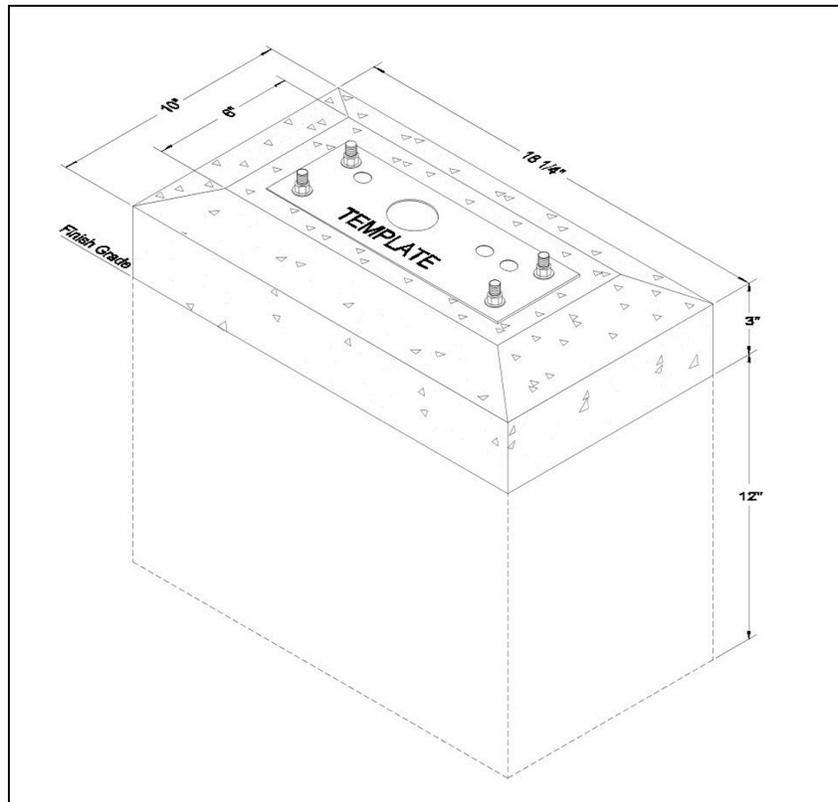


Figure 2

Step 4 – Assemble the mounting template with the “J” bolts, locknuts and washers.



Note: The metal mounting template is not intended to be embedded in the concrete and will rust if left in place.

Step 5 – Fill the open form and slope the finished concrete away from the edges of the metal template to ensure positive water drainage away from the pedestal base.

Step 6 – Once dry, remove the concrete forms and the metal template so that only the mounting studs remain. This location may have to be barricaded to avoid damage to the mounting studs before the pedestal base is installed.

Step 7 – Pull remote control field wire, sensor wires (if needed), high voltage wire and ground wire into the open cavity of the pedestal base for connection to the controller once it's affixed to the pedestal base.



Note: Be careful not to over-torque the fasteners if the concrete has not reached compressive strength.

Step 9 – Tighten pedestal base to mounting studs.

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Attach Controller Enclosure to Pedestal Base

The following steps will assist in mating the controller enclosure to the pedestal base;

Step 1 – Unlock the door and open slightly. Remove the outer door by sliding upward to remove from the pin hinges.



Note: Some earlier enclosure models do not align with the mounting holes of the pedestal. Use the separate paper template to determine the center points and field drill new holes as needed.

Step 2 - Locate the four fasteners w/ lock-washers and locknuts as part of this subassembly.

Step 3 – Align the controller enclosure so the back of the enclosure is flush to the back of the pedestal base. See Figure 3.

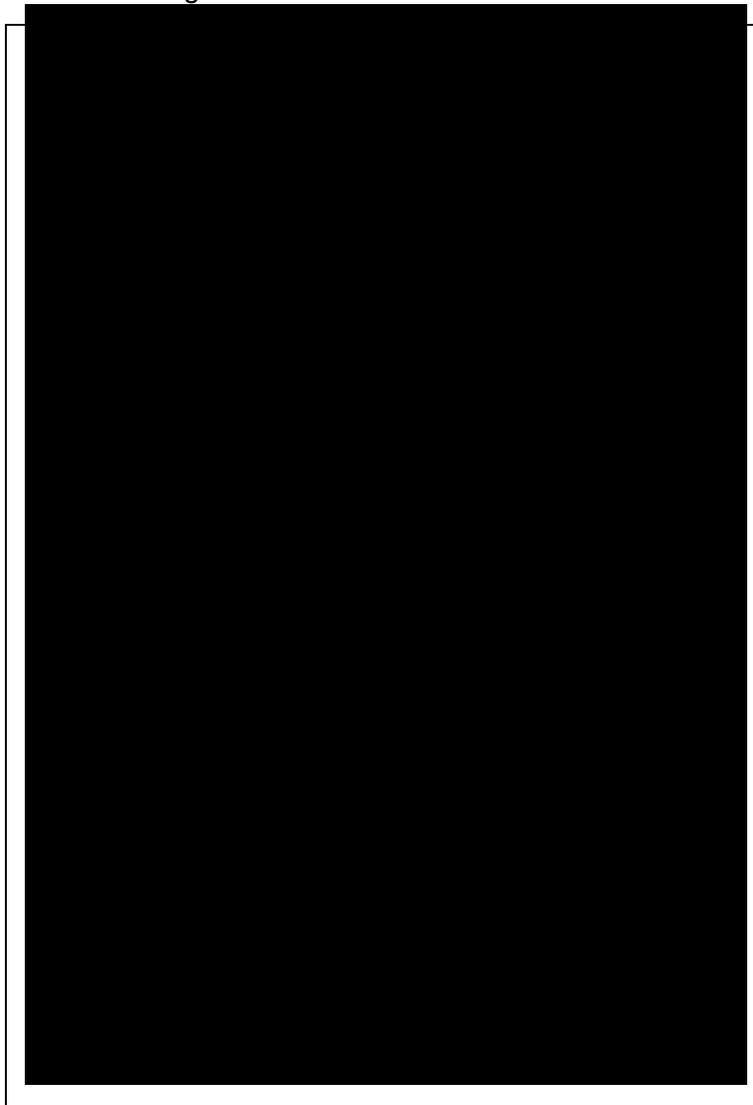


Figure 3

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Step 4 – Insert the fasteners and finger-tighten until proper alignment has been obtained. Finish tightening as needed.

Step 5 – Locate three threaded studs with oversized heads and washers with integral rubber gaskets as shown in Figure 4.

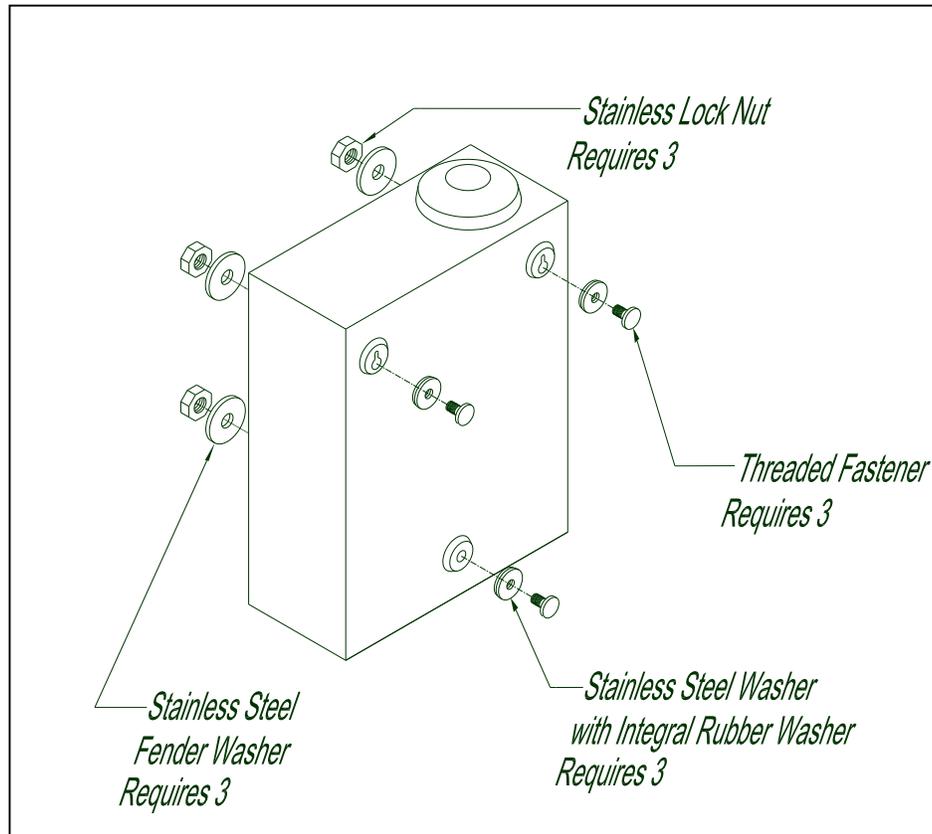


Figure 4

Step 6 - Insert these into the back of the controller enclosure and tighten so the gasket flattens against the outer wall of the controller enclosure.

⚠ Note: It is important to install the washer w/ integral seal on the outside of the enclosure to ensure weather protection for internal electronics. Failure to install these will void the manufacturer's warranty.

Step 7 – Replace the outer door by sliding back onto both pin hinges.