

# Instructions for Installing Surface Mount Manifold Enclosure

## For Radiant and Snow Melt Manifolds

### ⚠ WARNING



Read these instructions and all product labels **BEFORE** installation. Installation must be performed by qualified personnel, in accordance with local codes and standards.

**FAILURE TO COMPLY WITH PROPER INSTALLATION INSTRUCTIONS COULD DAMAGE PIPING, CONNECTIONS, AND ELECTRICAL ELEMENTS WHICH MAY CAUSE WATER DAMAGE AND/OR DAMAGE TO THE PIPING SYSTEM WHICH CAN RESULT IN PROPERTY DAMAGE AND OR PERSONAL INJURY**



### General Overview

Select a wall area which is structurally sound to support the weight of the enclosure along with manifolds and system fluid. Ensure enclosure has sufficient room on either side for distribution piping connections and direct access to the radiant tubing. Radiant tubing must be connected in a straight, direct manner to reduce stress at the manifold connection. Make sure there is sufficient room to remove the cover from the enclosure. Do not block the cover or the locking lever. Follow all local codes when installing any radiant or mechanical component.

Surface Mount enclosure is designed to be used directly with a Watts Radiant Stainless Steel manifold. Alternative mounting methods may be used, such as pipe hangers or equivalent. Some mounting methods may require modifications be made to the wall or additional framing to accommodate mounting bolts.

Follow all local electrical codes when bringing power to the manifold assembly. Ensure any transitions to the manifold enclosure is done with a water-tight connection when installing in areas exposed to environmental conditions. It may be necessary to drill a dedicated hole for electrical conduit and transition connections. Make sure these added transition points are located above any hydronic piping.

In order to avoid property damage or injury, please refer to the complete radiant installation manual and warnings provided with the associated manifolds and related accessories.

### ⚠ CAUTION

**BEFORE INSTALLING ANY COMPONENTS THOROUGHLY READ** the corresponding Watts Radiant installation manual AVAILABLE AT [WWW.WATTSRADIANT.COM](http://WWW.WATTSRADIANT.COM) FOR FURTHER INFORMATION INCLUDING ADDITIONAL PRODUCT SAFETY INFORMATION. This information is not intended to provide full installation guidelines or the experience of a trained product installer. To the extent instructions are not consistent with local building or plumbing codes, the local codes should be followed. **FAILURE TO COMPLY WITH PROPER INSTALLATION INSTRUCTIONS COULD DAMAGE TUBING AND FITTINGS CAUSING WATER DAMAGE AND/OR DAMAGE TO THE PIPING SYSTEM WHICH CAN RESULT IN PROPERTY DAMAGE AND/OR PERSONAL INJURY.**

### NOTICE

- Make sure mounting wall can handle the weight of the enclosure, manifolds, and system fluid (approximately 25-75 lbs).
- All electrical conduit connecting to the enclosure must be made using water-tight connections when installed in wet environments or exposed to outside conditions.
- Install electrical components above water lines and associated connections.
- Do not block cover. Access cover must remain free to open at all times.

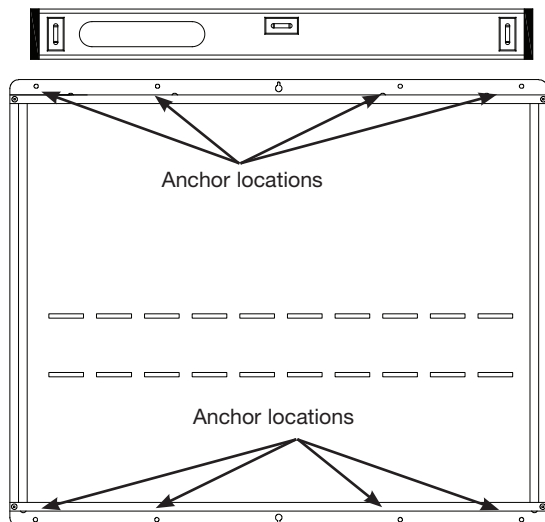
### Installation

1. Identify mounting location where the manifold enclosure will be placed. Location must be suited to handle the weight of the enclosure, manifolds, and system fluid. Take into consideration room on either side for piping connections. Ensure access to the enclosure remains unaffected after installation.
2. Make sure the radiant tubing has a straight, direct path to the manifold mounted inside. Excessively bending Radiant tubing when connecting to the enclosed manifold will result in unwanted stress at the connection.
3. Make sure any electrical connection is within reach and does not interfere with panel mounting.
4. Using a level, place the enclosure on the wall and mark where the anchor points will be.
5. Secure the manifold to the inside of the enclosure prior to mounting enclosure to wall surface.
6. If necessary, drill pilot holes for anchors, then secure the enclosure with the corresponding screws.
7. Connect radiant tubing and supply/return lines.

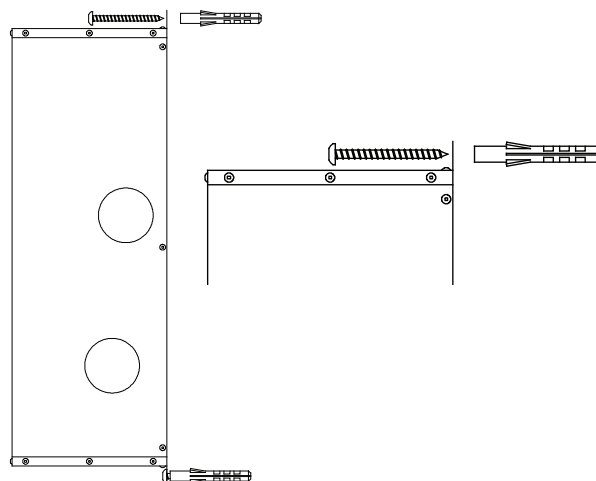
**Refer to the Installation and Operations Manual for further installation details.**

✓	Order #	Description
	81020163	31"W x 24"H x 8-1/2"D
	81020164	40"W x 24"H x 8-1/2"D
	81020165	50"W x 24"H x 8-1/2"D

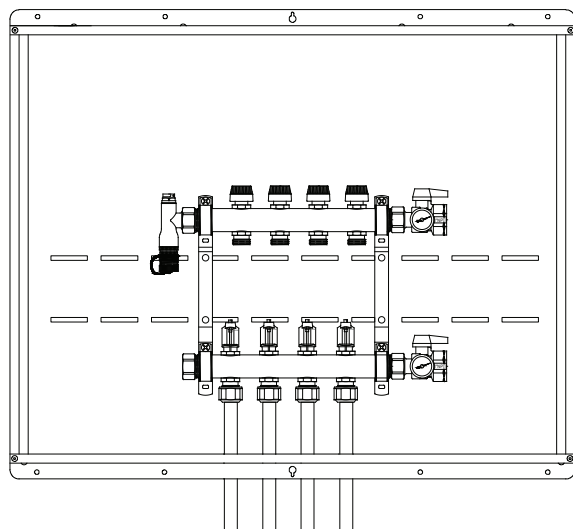
## Surface Mount Manifold Enclosure Installation



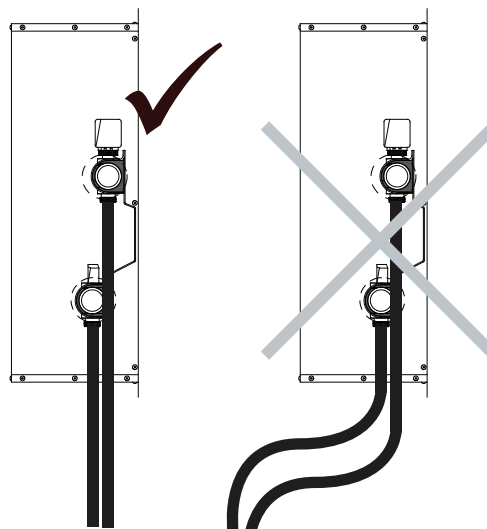
1. Level and mark mounting locations for anchors.



2. Drill pilot holes for anchors (if necessary) and secure enclosure to wall surface.



3. Connect radiant tubing (making sure not to excessively bend the tubing) and supply/return lines



**Limited Warranty:** Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

**THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**

