



MAN-W1-TR-1



Ferndale

 **Safety**

Toll-Free: 855-326-1243
<https://www.ferndalesafety.com>

MODEL W1-TR-1 / W1-TR-6

INSTALLATION GUIDE



WARNING

Do not wire the included interlock switches directly into the motor power circuit!

The interlock switches cannot handle motor load currents!

Maximum Contact Rating

3A @ 240VAC

0.1A @ 240VDC

**Wire the safety guard interlock switch into the control circuit only.
MAXIMUM 230 VOLTS**

DANGER: HIGH VOLTAGE

PLEASE USE PROPER LOCKOUT/TAGOUT PROCEDURES.

MAKE SURE TO SHUT OFF ALL POWER TO THE MACHINE BEFORE SERVICING.

Only qualified personnel with the necessary skills should perform these modifications.

Please get in touch with Ferndale if you require any assistance.

855-326-1243

Thank you for purchasing this safety shield. We have made this installation guide to help you set up and use this Product. This guide assumes you are familiar with drilling, tapping, and fabricating simple brackets. If you need any extra help, please call us at 855-326-1243.

Mounting and Installation

Tools required for installation (Not Included):

- Drill
- #21 or 5/32" drill bit
- 10-32 tap, tap wrench, and hex bolts
- Set of metric and SAE hex keys

For an electrical connection, you may need one or more of the following (Not Included).

- Wire strippers
- Utility knife
- Screwdrivers
- Hole saw or step drill
- Cable glands
- Cable connectors

Please make sure that you have everything included with your shipment. Remove all packing material from the arm assembly and shield. The whole shield and arm assembly is pre-assembled and ready to install.

STEP 1:

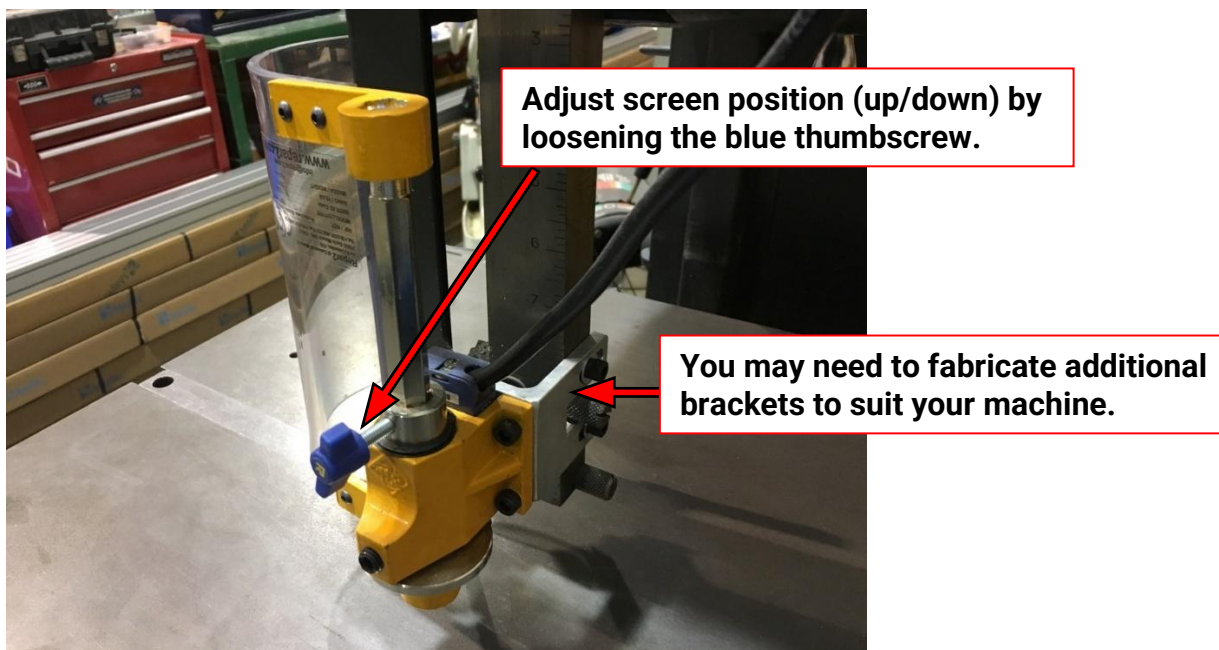
Place the guard on the machine and take note of the bracket position—Mark where the mounting holes will be. You don't need to use all the provided holes for mounting. Two bolts are enough.

STEP 2:

Drill and tap directly into the machine to mount the guard. Use a 10-32 tap and a #21 or 5/32" drill bit. Be careful when drilling into gearboxes, and pay special attention to oil-filled gearboxes. Do not drill through gearboxes.

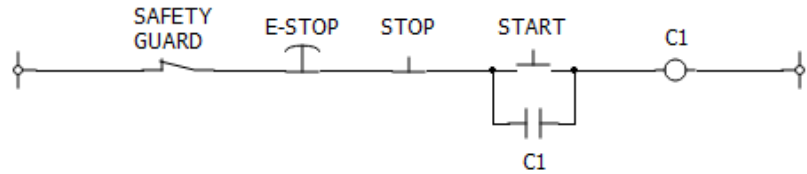
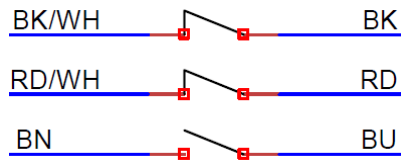
STEP 3:

Bolt the guard to the machine using two to four 10-32 bolts.



Electrical Connection

Contact Rating: 3A @ 240VAC, 0.1A @ 240VDC
Wire Color Codes and Sample Wiring Diagram:



IMPORTANT: Do not connect the switch directly to the motor. The switch is not designed to handle motor loads. Wire the switch inside the control circuit only. If you require any help with this, please call us at 855-326-1243.



Example Installation Photos



WARRANTY

Ferndale Safety's Commitment:

Ferndale Safety ("FERNDALE") guarantees that its products are free from material and workmanship defects for one year from the date of purchase. Custom-made products carry a three-month (90 days) warranty from the date of purchase.

Exclusions:

This limited warranty does not cover, and FERNDALE shall have no obligation or liability with respect to, any damage, injuries, or problems resulting from:

- Non-FERNDALE authorized installations.
- Insufficient maintenance, including failure to remove chips and coolant.
- Misuse, negligence, or accidents.
- Unauthorized alterations, modifications, or repairs.
- Claims on products beyond their warranty period or used contrary to their intended purpose.
- Damage due to chemical contamination or foreign objects.
- Use of FERNDALE products for "hot work."

Disclaimer:

FERNDALE MAKES NO WARRANTY OR REPRESENTATION, EXPRESSED OR IMPLIED, REGARDING NON-INFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR THE PARTICULAR PURPOSE OF THE PRODUCTS; ANY BUYER OR USER ACKNOWLEDGES THAT THE BUYER OR USER ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OR THEIR INTENDED USE. FERNDAL DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED.

Limitation of Liability:

FERNDALE will not be liable for any indirect, incidental, or consequential damages, including loss of profits or commercial loss, regardless of the cause. Liability for any claim shall not exceed the purchase price of the Product in question. Claims related to warranty, repair, or other concerns will only be considered if FERNDAL'S evaluation confirms proper handling, storage, installation, maintenance, and absence of misuse or inappropriate modifications.

By purchasing Our Products, you agree not to use them for "hot work" (e.g., grinding, welding, soldering, cutting) due to fire risk. Misuse is forbidden, and following all safety guidelines is required. Non-compliance means you accept full responsibility for any resulting harm or damage. For your safety and the effectiveness of Our machine guarding, remain within the "Safe Work Zone" directly in front of the guard. Standing to the side increases injury risk and breaches our usage policy. Adhering to this rule ensures your safety and the Product's optimal performance. For detailed safety and operational guidelines, please see our Terms and Conditions here: <https://www.ferndalesafety.com/terms-and-conditions/>.

Product Returns & Exchanges:

Return Policy:

If dissatisfied, contact us within 30 days of receipt for a refund, excluding shipping costs, subject to inspection. Custom or special-order items are non-returnable. Returns must be in original packaging, unused, and in sellable condition, subject to a 35% restocking fee. The restocking fee is waived if the item is exchanged.

Return Authorization:

Before returning, obtain a Return Merchandise Authorization (RMA) by calling 514-326-1243. FERNDAL reserves the right to refuse returns on damaged or non-resalable items.

After 30 Days:

Upon authorization, returns initiated after 30 days from the invoice date are subject to a 35% restocking fee and future purchase credit only.

Shipping Charges:

Customers bear return shipping costs, which are non-refundable. Use traceable and insured shipping methods. Customers are responsible for freight charges on canceled orders shipped before the cancellation notice.