INSTALLATION INSTRUCTIONS

U.S. Patent #5,962,825 CAN. Patent #2,008,021

Model # **MT / MU**

IMPORTANT:
READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

All Miller Sensing Edges are inspected and tested before being shipped to ensure against damage. If the shipping container appears to be damaged, please notify the factory immediately.

OPERATE ALL MILLER SENSING EDGES AT 24 VOLTS OR LESS.

MU-TYPE

1. At the installation site, remove the Miller Sensing Edge from the box and lay it flat and straight until it returns to its proper shape and dimension. CLOSE THE AIR B/F VALVE FITTING located near the outlet wire by pushing it down over the internal nipple fitting on the MU33 models. Does not apply to MU21 and MU22 models.
2. Position the Miller Sensing Edge on the leading edge of the door. In the case of an uneven floor under a door, position the edge up or down to compensate in the uneven area. Using heavy duty staples or sheet metal screws, attach the Miller Sensing Edge mounting flanges to the door at the wire outlet end first. Repeat mounting the opposite side of the edge in the same manner. DO NOT STAPLE OR SCREW BELOW THE SEAL LINE OF THE MOUNTING FLANGES. Doing this will puncture Miller Sensing Edge and may result in eventual water damage. Now mount the opposite end of the Miller Sensing Edge to the door and then the center of the edge to the door. From the center, continue mounting in both directions to the end.
3. Cover the mounting flanges with wood or metal molding to improve the strength and appearance of the installa- tion. Wire the MU-Type Sensing Edges to controls as specified by control manufacturer. ALWAYS ADHERE TO THE LOCAL AND NATIONAL ELECTRICAL CODE SPECIFICATION WHEN WIRING SENSING EDGES AND OTHER CONTROLS.
4. Adjust the limit switch on the operator so the Miller Sensing Edge is not compressed more than 1/4” when the door is fully closed.
5. Check the performance of the edge by compressing it along all its lengths starting 2” from the ends. When compressed approximately 1/2”, the edge should send a signal to the control to stop and/or reverse the door.

MT-TYPE

1. At the installation site, remove the Miller Sensing Edge from the box and lay it flat and straight until it returns to its proper shape and dimension. CLOSE THE AIR B/F VALVE FITTING located near the outlet wire by pushing it down over the internal nipple fitting.
2. Remove the double L-Angle at bottom of door and slide the mounting tab of the edge between them. Prior to mount ing bolts - check for uneven floor and adjust accordingly. Be careful not to pinch the mounting tab between L-Angles below the bottom seal line of the tab. Pinching below the bottom seal line of the mounting tab may puncture the edge and result in eventual water damage. Tighten the angles at the wire outlet end first, then the opposite end, and finally, tighten the angles from the center of the door to the ends in both directions.
3. Wire the MT-Type sensing edge to the controls as specified by the control manufacturer. ALWAYS ADHERE TO THE LOCAL AND NATIONAL ELECTRICAL CODE SPECIFICATION WHEN WIRING THE SENSING EDGE AND OTHER CONTROLS.
4. Adjust the limit switch on the operator so the Miller Sensing Edge is compressed no more than 1/4” when the door is fully closed.
5. Check the performance of the edge by compressing it along all its lengths starting 2” from the ends. When compressed approximately 1/2”, the edge should send a signal to the control to stop and/or reverse the door.

DO'S AND DON'TS

Do - Be careful in handling the product. Caution should be taken to prevent damage when removing it from the packing cases. All Miller Sensing Edges are inspected before packing to insure against puncture and damage before leaving our plant.

Do - Always unpack and spread Miller Sensing Edge before installation in a warm, undercover area. This will allow the Miller Sensing Edge to assume its proper shape and dimension.

Do - Periodically check the Miller Sensing Edge (see below).

Don't - Paint the sensing edge, EVER. Paint solvents may damage the sensing edge.

Don't - Compress the sensing edge more than 1/4" maximum when the door is in its fully closed position.

Don't- Expect your sensing edge to be indestructible. It's tough and will resist wear, but it can be cut. Cuts may result in damage to the sensing edge.

Don't- Ever apply air pressure to the air valve fitting. Don't- Ever apply more than 24 Volts AC or DC to the sensing edge.

ATTENTION INSTALLER

It is strongly recommended that you advise your customer to observe good maintenance practices by including a check on the entire length of sensing edge in their equipment maintenance manuals. All Sensing edges should be checked periodically, at least once per month, for any signs of damage, cut, loss of sensitivity or water damage. When the sensing edge is compressed 1/2" along any portion of its length starting 2" in from the ends, it will send an electrical signal to controls. If this does not occur, contact the equipment installer immediately for assistance. If the installer is not available, contact the Miller Edge Customer Service Department at (610) 869-4422 for assistance.

ATTENTION END USERS

It is strongly recommended that you observe good maintenance practices by including a check of the entire length of any sensing edge at least once per month for any signs of damage, cuts, loss of sensitivity or water damage. Check the operation of the edge by compressing it approximately 1/2" along any portion of its length, starting 2" in from the ends, it should cause the closing door/gate/fixture to stop and/or open. If this does not occur, contact a qualified door/gate/fix- ture installer immediately for assistance. If a qualified installer is not available, contact the Miller Edge Customer Service Department for assistance.

WARNING: The door/gate/fixture to which the sensing edge is attached may be a very large and heavy moving object. It may have springs, pulleys, cable and other items that are under extreme tension. If disturbed or damaged, serious personal injury or death could result.

ALWAYS STAND CLEAR OF DOOR/GATE/FIXTURE WHILE IT IS IN MOTION.

If you think there may be damaged components, do not attempt to adjust them. Contact your qualified installer or Miller Edge, Inc. for servicing.

KEEP THESE INSTRUCTIONS ON WALL IN CLOSE PROXIMITY OF THE DOOR/GATE/FIXTURE.

Air-Wave Trouble-Shooting Tip

Note the diagram showing the OPEN and CLOSED position of a typical Air-Wave Valve which is used on a MT and MU33 Sensing Edge. The valve MUST BE IN THE CLOSED POSITION to operate properly.

MT-MU Air-Valve Positions



CLOSED POSITION OPEN POSITION
