



## MGR20 / MGS20

# Installation and Maintenance Instructions

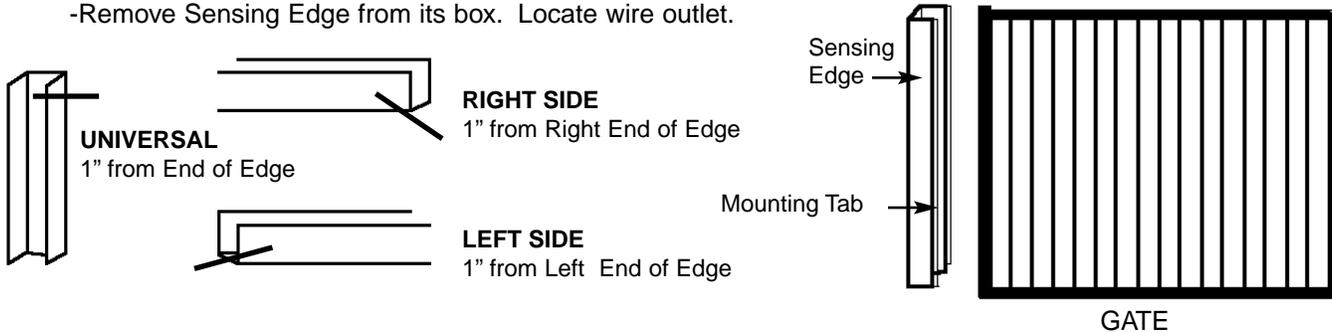
**CAUTION:** Read installation and maintenance instructions thoroughly before installing sensing edge.

**-Always Disconnect power** to equipment before beginning work.

**-Miller Sensing Edges operate on 24 volts AC/DC, 1/2 amp maximum.** Overloading will decrease the life of the product and could cause immediate failure of the edge or electrocution.

**-The MG Series is designed to be used as an emergency stop and reverse signal attached to the leading edge of power operated gates.** Miller Edge strongly recommends hard wiring any sensing edge to assure integrity of operation.

**-Remove Sensing Edge from its box.** Locate wire outlet.



### For Universal Outlet Only-Begin Here

1. Measure distance from wire outlet to end of Sensing Edge.
2. Locate desired position of edge on gate post.
3. Drill 1/2" hole through gate post where wire will feed through post.
4. Lift Sensing Edge to post and feed wire through the drilled hole.
5. Continue as with side outlet.

### For Side Outlet Location (and Universal Outlet Continued)

6. Clip Sensing Edge onto post.
7. Use #10 screws (or smaller) to secure edge to post. Screw through black mounting tab and into gate post.
8. Wire to gate operator according to manufacturer's instructions.

**\*DO NOT PLUG INTO ELECTRICAL OUTLET  
UNTIL ALL CONNECTIONS ARE MADE\*  
NEVER PAINT Sensing Edge  
NEVER CUT OR PUNCTURE Sensing Edge  
NEVER PULL ON WIRES  
NEVER operate unguarded equipment**

Wire the sensing edge into controls as specified by the control manufacturer. ALWAYS ADHERE TO THE LOCAL AND NATIONAL ELECTRICAL CODE SPECIFICATIONS WHEN WIRING SENSING EDGE AND OTHER CONTROLS.

Adjust the equipment to which the sensing edge is attached so that the edge is never compressed more than 1/4".

Test the edge with the gate closed. The edge should show an open circuit. If the circuit is closed, readjust close limit so the edge circuit is open.

If no wiring directions exist, consult the Miller Edge Engineering Department at (800) 220-EDGE, for wiring directions and assistance.

**VERY IMPORTANT:** After installation, check sensing edge and wiring to make sure the sensing circuit is working properly.

### **ATTENTION INSTALLER**

It is strongly recommended that you advise your customer to observe good maintenance practices by including a check of the entire length of the sensing edge in their equipment maintenance manuals. The sensing edge should be checked periodically (at least once per month) for any signs of damage, cuts, 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 (800) 220-EDGE for assistance.

**DO NOT** operate equipment without a properly working and correctly wired sensing edge attached.