



Miller Edge Receiver

Installation Instructions

(Model MWR02A)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which may be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1- Reorient or relocate the receiving antenna
- 2- Increase the separation between the equipment and receiver
- 3- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- 4- Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT

Any user that changes or makes modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

General Information About the Model MWR02A Receiver

The Miller Edge Model MWR02A universal receiver was designed to offer several features not found on other radio controls. The Model MWR02A receiver will only work with Miller Edge 318 MHz transmitters.

1. The Model MWR02A will operate on 12-24 Volt AC or DC by connecting the red and black wires.
2. The Model MWR02A will generate a continuous relay output as long as it receives a transmitter signal. This is usually a short time of 1-5 seconds.
3. The Model MWR02A comes standard with 5 wires. Two of these wires (red and black) are for the power input and the other three are the relay contacts. The white wire is the relay common and is always used. Most control circuits require a normally open switch contact. For these applications use the NO (yellow wire) and the white wire. It is recommended that the unused orange wire be cut off. For controls requiring a normally closed switch contact use the NC (orange wire) and the white wire. It is recommended that the yellow wire be cut off, if it isn't used.
4. The Model MWR02A comes standard with an "F" connector and a 1/2 wave wire antenna. If signal conditions require the use of an external coax antenna to eliminate signal blockage due to obstructions, dead spots etc., use RG59 coax to extend the antenna to the remote location. The 1/2 wave wire antenna may be left on the receiver. Miller Edge part # for this kit is ANT-K. For the rigid wire alone, part # ANT-R.
5. To show the unit has power, a green LED in the lower left portion of the enclosure is illuminated.
6. To show the relay is energized, a red LED in the lower left portion of the enclosure is illuminated

Model MWR02A Installation Instructions

1. Disconnect the power to the operator.
2. Remove access cover of receiver to gain access to the coding switch and the programming switches.
3. Set the 9 pole, 3 position coding switch under the access cover to match the transmitter coding switch. Any switch position will work as long as the transmitter coding switch and the receiver coding switch are exactly matched.
4. Mount receiver inside the operator control box so that the wires from the receiver will reach the terminal strip on the operator.
5. Connect the black wire (-V) and the white wire (COMMON) to negative power terminal. Some operators may require the (COMMON) white wire to connect on a separate terminal.
6. If the operator requires a normally open contact to activate the operator, connect the yellow wire (NO) to the relay output of the operator. Cut off the orange wire. If the operator requires a normally closed contact, connect the orange wire (NC) and cut off the yellow wire.
7. Connect the red wire (+V) to the positive power terminal of the operator.
8. Reconnect the power to the operator and test the system. Position the green antenna wire so it is hanging down outside the operator box. If needed, to improve reception, cut the length of the green wire in half.

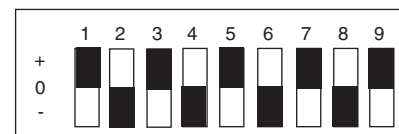


Figure A



Miller Edge Transmitter Installation Instructions

(Models MWT02 and MWT02)
2 Wire Edge Only

Read the following instructions thoroughly before using the transmitter.

This transmitter must be adjusted so that the coding switches match the coding switches on your existing Miller Edge operating transmitters or receivers.

NOTE: Miller Edge wireless devices are not compatible with other manufacturer's wireless devices.

FCC Regulation:

This device complies with the FCC Rules Part 15

Operation is subject to the following two conditions:

1) This device may not cause harmful interference.

2) This device must accept an interference that may cause an undesired operation.

* Transmitter distance may vary due to circumstances beyond our control.

Setting the Code for the Single Entry Transmitter (Models MWT02 and MWT02)

You may set your transmitter to any code you desire, but be sure the code you set matches on both your transmitter and receiver. There are nine (9) coding switches, each of which can be placed in three different positions (+,0,-). **DO NOT** set all switches in the same position, such as all +, all -, or all zero (**Figure A**).

WARNING: No other adjustments should be made inside the transmitter.

Now that you have selected your personal code, replace the transmitter cover.



Figure A

* Mount transmitter box directly to gate post or door. **NOTE: DO NOT** drill any holes in the transmitter box. Use only mounting holes provided, any additional holes in transmitter box will cause water to enter and a loss of warranty.

BATTERY INSTALLATION

