



3 CHANNEL RECEIVER INSTRUCTIONS

MODEL: MWR03



**READ THESE INSTRUCTIONS
CAREFULLY BEFORE BEGINNING INSTALLATION**

Miller Edge Receivers are designed to work with most gate operators and commercial door operators. The MWR03 is connected to the operator and provides open, close and stop functions via radio control. The receiver is powered from the operator's 12/24 VAC/VDC transformer.



WARNING

**TO REDUCE RISK OF SEVERE INJURY OR DEATH:
READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.**

**TO PREVENT ELECTROCUTION DISCONNECT POWER AT FUSE BOX or
CIRCUIT BREAKER AND DOOR OPENER BEFORE WIRING PERMANENTLY.**

**IMPROPER WIRING COULD CAUSE ELECTROCUTION OR DAMAGE TO CIRCUITRY.
FOLLOW ALL LOCAL BUILDING CODES AND NATIONAL ELECTRICAL CODES.**

RECEIVER WIRING INSTRUCTIONS

The MWR03 Receiver is a three channel receiver. It is designed to receive signals from up to 3 different input devices. When used with a 3 channel transmitter, the MWR03 can replace a wall mounted 3 button station.

Follow the instructions listed below.

- 1- On the door or gate operator control panel, locate the 24 VAC input and attach the red wire.
- 2- On the gate or door operator control panel, locate the common input and attach the black wire.
- 3- Select 1st input device. Refer to the operator manufacturer's wiring diagram to determine proper input terminals for that device and attach yellow & white wires.
- 4- Select 2nd input device. Refer to the operator manufacturer's wiring diagram to determine proper input terminals for that device and attach yellow & white wires.
- 5- Select 3rd input device. Refer to the operator manufacturer's wiring diagram to determine proper input terminals for that device and attach yellow & white wires.

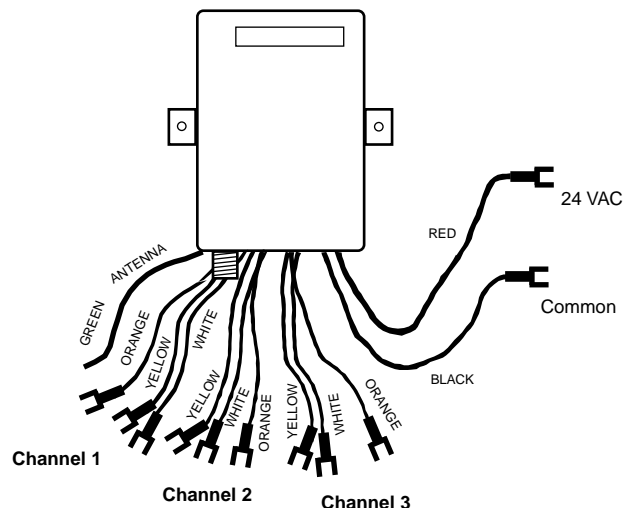
NOTE: Some gate operators utilize N/C relay outputs. wire receiver using orange wires instead of yellow wires.

NOTE: Some gate operators may require separate inputs for reversing edges depending upon if they are intended to operate during the opening or closing cycles. In this event, the leading edge/s and the trailing edge/s must operate on 2 separate channels.

- A- Locate the N/O safety reverse leading or open edge input and use these terminals for the leading edge input.
- B - Locate the N/O or N/C safety reverse trailing or close edge input and use these terminals for the trailing edge input.

NOTE: To assure proper operation, use only with the following Miller Edge transmitters:

- MWT02 - HIGH SPEED EDGE TRANSMITTER
- MWTA02- HIGH SPEED EDGE TRANSMITTER W/BUILT-IN LOW BATTERY ALARM
- MWHT01-HAND HELD TRANSMITTER (VISOR CLIP)
- MWKT01-MINI-TRANSMITTER (KEY CHAIN)



**BEFORE APPLYING POWER, CHECK ALL
CONNECTIONS AND ANTENNA LOCATION.**



DO NOT USE RADIO CONTROLS ON COMMERCIAL DOOR OPERATORS UNLESS PROPER ENTRAPMENT PROTECTION DEVICES ARE INSTALLED. CONSULT THE OPERATOR MANUFACTURER FOR MORE DETAILS.

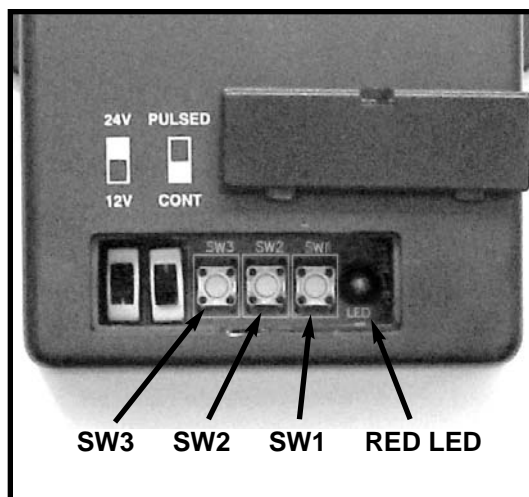
INSTALLATION

Programming The Receiver

- 1- Use a small screwdriver or pen to open the small door on the front of the receiver to access to the programming switches. (See Fig.1)
- 2- To Program Channel 1:
Press SW1 and activate the transmitter by shorting the edge or pressing the handheld button. When the Red LED light flashes at a steady rate, release both buttons. This code will be stored in memory that is retained if power is lost.
- 3- To Program Channel 2:
Press SW 2 and activate the transmitter by shorting the edge or pressing the handheld button. When the LED flashes at a steady rate, release both buttons. This code will be stored in memory and now the receiver will respond to 2 differently coded transmitters. Program Channel 3 in the same manner to set up a third transmitter code.
- 4- To Delete the programmed channel that have been stored:
**Note the code that has been stored in Channel1 cannot be erased but it can be changed to a new transmitter code by entering a new code using the instructions above.
- 5- To Delete Channel 2:
Press the SW 1 and the SW 2 buttons on the receiver simultaneously. When the RED LED light flashes at a steady rate, release both buttons.
- 6- To Delete Channel 3:
Press the SW 1 and SW 3 buttons on the receiver simultaneously. When the RED LED light flashes at a steady rate, release both buttons.

The transmitter codes stored in memory for Channel 2 and Channel 3 are erased now. If the codes are still stored, repeat steps 5 & 6.

NOTE: The 9th switch on the transmitter must be moved (+, 0, -) before each channel is programmed on the receiver. The first 8 switches **MUST BE** set identically all 3 transmitters. The transmitter with the 9th switch set to "+" will activate Channel 1 relay. The transmitter with the 9th switch set to "0" will activate Channel 2 relay and the transmitter set to "-" will activate Channel 3 relay.



(Fig.1)

WARRANTY

*Miller Edge warrants the
MWR03 Receiver
to be free of defect in material and
workmanship for a period of one
(1) year from date of purchase.*

TROUBLE SHOOTING NOTES

Receiver appears to be dead; there is no response when transmitter is activated.

- ✓ Check the power connections to the receiver.
There must be at least 20 VAC at the receiver power connections for a 24V terminal strip,
- ✓ Check the antenna installation ensuring the antenna is projecting away from powerhead.
- ✓ Wait one minute for the receiver to warm up.
- ✓ Check battery in transmitter.

Receiver "clicks" when any transmitter is activated, but nothing happens.

- ✓ Check the wire & connections in the STOP (Leading Edge) circuit.
- ✓ Check the OPEN (Trailing Edge) and CLOSE (Hand-Held Transmitter) connections.
- ✓ Check the power to the operator.
- ✓ Check the operator's control voltage.

Short distance or intermittent operation.

- ✓ Relocate the antenna with a coaxial cable.
- ✓ Install coax cable if metal object is blocking signal.
- ✓ Check to ensure antenna is projecting away from the powerhead.

External interference (ex: radio towers)

- ✓ Check battery in transmitter.
- ✓ Change code switch settings in transmitter & reprogram receiver.

Things to remember:

Range is dependent on the application and location of transmitter. When these conditions change, so will the operating distance.

Any transmitter can interfere with operations. These include cell phones, cordless phones, wireless systems, and CB and mobile transmitters.