




# Model # MWR03

## 3 Channel Receiver

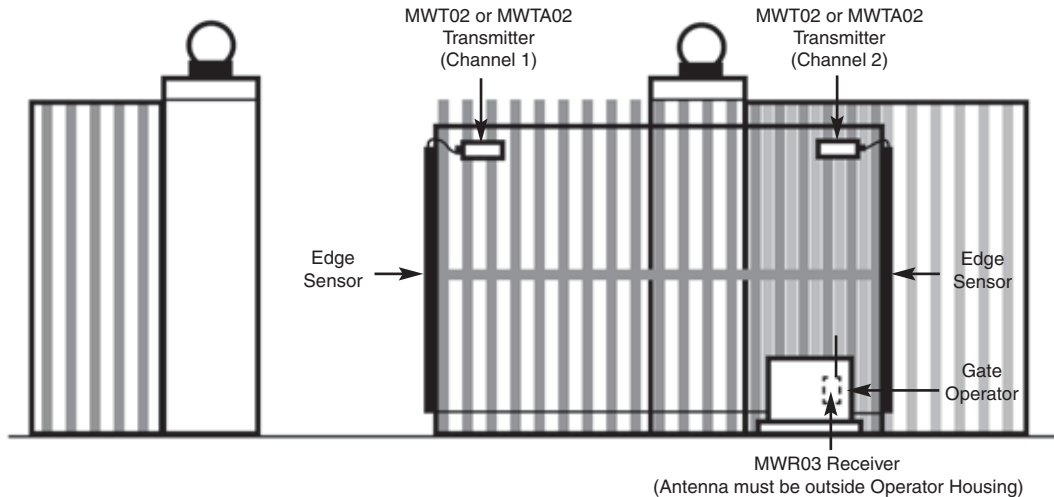
### Installation Instructions

Part # 400-MW-006  
Rev.002 / 7-6-09

The MWR03 is a 3-channel receiver, housing 3 relays which operate on 12 or 24VAC/DC. Channel 1 Relay and Channel 2 Relay provide normally open outputs, while channel 3 Relay can be used normally open (N.O.) or normally closed (N.C.). (The normally closed contact would typically be used for the stop button circuit when using the MWR03 as a 3-button station in a commercial door installation). Most gate installations will be utilizing the normally open contacts in their installation of leading and trailing edges and remote controls.

 <p><b>WARNING</b></p>	<p><b>TO REDUCE RISK OF SEVERE INJURY OR DEATH: READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.</b></p> <p><b>TO PREVENT ELECTROCUTION DISCONNECT POWER AT FUSE BOX or CIRCUIT BREAKER AND DOOR OPENER BEFORE WIRING PERMANENTLY.</b></p> <p><b>IMPROPER WIRING COULD CAUSE ELECTROCUTION OR DAMAGE TO CIRCUITRY. FOLLOW ALL LOCAL BUILDING CODES AND NATIONAL ELECTRICAL CODES.</b></p>
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### TYPICAL MWR03 GATE INSTALLATION



### WIRING TABLE

<p><b>POWER</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Wire Color</b></td> <td><b>Function</b></td> </tr> <tr> <td>RED</td> <td>24VAC or (+)12VDC</td> </tr> <tr> <td>BLACK</td> <td>24VAC or (-) 0VDC/GND</td> </tr> </table>	<b>Wire Color</b>	<b>Function</b>	RED	24VAC or (+)12VDC	BLACK	24VAC or (-) 0VDC/GND	<p><b>CHANNEL 2</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Wire Color</b></td> <td><b>Function</b></td> </tr> <tr> <td>YELLOW</td> <td>Relay N.O. Contact</td> </tr> <tr> <td>WHITE</td> <td>Relay Common Contact</td> </tr> </table>	<b>Wire Color</b>	<b>Function</b>	YELLOW	Relay N.O. Contact	WHITE	Relay Common Contact		
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**Slide Switches Factory Default: S1 = 24V S2 = CONT**

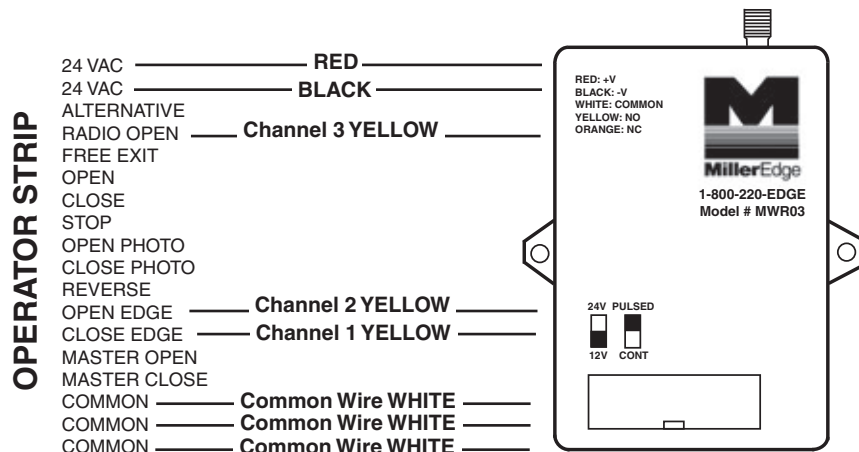
**Changing Factory Setting of On-Board Slide Switches**

If your power source is **12VAC/DC**, simply slide the S1 switch to the **DOWN** position.  
If you desire a **PULSE** Relay output, simply slide the S2 switch to the **UP** position.

***NOTE:** This receiver will function with either 12 or 24 volts AC or DC. Remove access window on the face of the receiver and flip S1 to either 24V or 12V. The Red (+) and Black (-) wires are for power. Connect to appropriate terminals in the operator. Most applications will require leaving S2 in the CONT (continuous) position. The PULSED position will simply energize your relay and then drop the relay, whether or not it receives an uninterrupted signal from the transmitter. The factory setting is 24V and CONT.*

## SAMPLE WIRING DIAGRAM

**CAUTION:** Make sure you refer to YOUR operator's wiring diagram for the exact location for your wires.



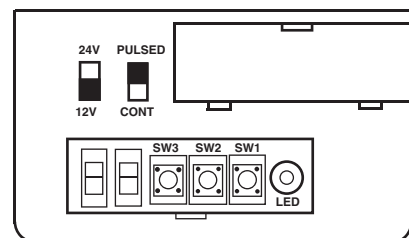
## BASIC PROGRAMMING

The MWR03 will work with the following Transmitters: MWT02, MWTA02, MWHT01, and MWKT01.

**CAUTION:** Be sure to stand clear of the path of the gate while programming the receiver.

**NOTE:** It will be much easier to program your transmitter prior to mounting them on the gate or door.

- 1- Set **ALL** of your transmitters position coding switches 1 through 8 to the identical settings.
- 2- If you have a channel 1 device - Set the #9 switch to the "+" position.
- 3- If you have a channel 2 device - Set the #9 switch in the second transmitter to the "O" position.
- 4- If you have a channel 3 device - Set the #9 switch in the third transmitter to the "-" position.
- 5- Go to your powered-up receiver and locate switch SW1. While actuating any of your transmitters,\*\* press and hold SW1 until the RED LED next to SW1 begins to blink on and off, then release.
- 6- You have now completed your programming. Switches SW2 and SW3 are for future use. All channels should now be functioning, check them to verify. If you wish to change your code, simply repeat above steps after changing your transmitters switch settings to the identical pattern for switches 1 through 8.



\*\* If your channel 1 transmitter is an MWT02 or MWTA02, you will need to take a jumper wire or a paper clip and short across the two terminals on the transmitter board in order to provide a constant signal for the receiver to learn the transmitter code. If you are using either a MWHT01 or MWKT01 in your installation, simply use the push button on the remote to make programming that much easier.

## IMPORTANT

Any user that changes or makes modifications not expressly approved by Miller Edge, Inc. could void the user's authority to operate the equipment.

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.