Universal - Wireless

Transmitter/Receiver

(with Audible Alarm)

Applications

• Rolling Steel Doors
• Sectional Doors
• Motorized Gates

The Miller Edge Model MWTA02 and MWT02 gate and door edge transmitters are designed to provide obstacle sensing protection for a variety of motorized gates and doors. They are easily mounted and wired to the gate or door edge sensor. When the sensing edge comes into contact with an obstruction, a closed circuit signal is created and is sent to the transmitter. The transmitter relays the information to the receiver and the receiver passes the signal along to the operator motor. The gate or door stops movement and will then reverse the direction of travel.

The Model MWTA02 is available with an Audible Alarm feature that activates when the battery has only 25% of its life remaining, indicating the battery should be replaced. The alarm sounds for 5 to 10 seconds at 1 to 2 minute intervals.

Both models of the transmitter come standard with a NEMA 4 weather-proof enclosure. The enclosure can be easily mounted with the four mounting holes and screws provided.

Both the Miller Edge receiver and transmitter have a compact design which allows for easy troubleshooting via the see-thru case. Selectable features include: coded dip switches and a wire harness for relay options.

FUNCTIONAL BENEFITS:

• MWTA02 is available with an Audible Alarm which activates to alert the user of a low battery condition.

• See-thru enclosure allows for easy troubleshooting.
**Model #MWR02A Receiver**  
(Intended for indoor use or inside a water resistant enclosure)

- **Enclosure Material**: Polycarbonate  
- **Enclosure Color**: Smoke  
- **Mounting**: 2 side flanges - (See Diagram)  
- **Operating Frequency**: 318 MHz  
- **Modulation**: On-Off Keying  
- **Code**: Tri-state, Fixed, 1 of 19683 codes  
- **Power Requirements**: 10 to 40 VDC, 10-29 VAC (RMS)  
- **Power Consumption**: 13 mA (avg.) with Relay Off, 50 mA (avg.) with Relay On  
- **Output**: Dry Relay Contact, N/O & N/C 0.5A@120 VAC; 1A@30 VDC  
- **Antenna**: Attached, 18" #92AWG PVC insulated and Female F connector (grounded shell)  
- **Weight**: 4.4 Ounces  
- **Connections**: Wire, #92AWG, Red = Power Input, Black = Power Ground  
- **White** = Relay Normal, Orange = Relay Normal Closed, Yellow = Relay Normal Open  
- **Indicators**: Green LED = Power On, Red LED = Relay Active (address decoded)  
- **Address Decode Switch**: 9 position, tri-state, DIP  
- **(19,683 programmable receiver codes)**  
- **Storage Temperature**: -40°F to +140°F (-40°C to +60°C)  
- **Operating Temperature**: -4°F to +140°F (-20°C to +60°C)  
- **Operating Humidity**: 0 to 95% R.H., non-condensing  
- **Maximum Operating Distance**: 100 Feet  
- **Electrical Configuration**: Optional N/O or N/C

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**General Specifications**

- **Response Time**: Initial Power-On to Idle: 45 msec.  
- **System Response Time**: Transmitter Input to Receiver Relay Output: Nominal 60 msec.  
  *(Good Receiver Signal Strength, No Interference)*

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**Model #MWTA02**  
**Transmitter with Audible Alarm**

- **Enclosure Material**: Polycarbonate  
- **Enclosure Color**: Black  
- **Enclosure Rating**: NEMA 4 including cable fitting  
- **Weight**: 7.3 Ounces  
- **Response Time**: Nominal 30 msec.  
- **Operating Temperature**: -4°F to +140°F (-20°C to +60°C)  
- **Operating Frequency**: 318 MHz  
- **Maximum Operating Distance**: 100 Feet  
- **Power**: 9 Volt Lithium Battery  
- **Audible Alarm**: Included for monitoring the life cycle of the battery. Alarm is 80-95 dB at 2'  
- **Transmitted Signal Duration**: 4 to 5 seconds  
- **Mounting**: #6 self drilling screws included

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**Model #MWT02**  
**Transmitter without Audible Alarm**

- **Enclosure Material**: Polycarbonate  
- **Enclosure Color**: Black  
- **Enclosure Rating**: NEMA 4  
- **Weight**: 6.4 Ounces  
- **Response Time**: Nominal 30 msec.  
- **Operating Temperature**: 0°F to 130°F (-18°C to 55°C) (Alkaline Battery)  
- **Operating Frequency**: 318 MHz  
- **Maximum Operating Distance**: 100 Feet  
- **Power**: 9 Volt Alkaline Battery  
- **Audible Alarm**: Not available in this model  
- **Transmitted Signal Duration**: 4 to 5 seconds  
- **Mounting**: #6 self drilling screws included  
- **Special Features**: 19,683 programmable transmitter codes

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