

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 trouble shooting 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 trouble shooting.



Model #MWR02A
Receiver



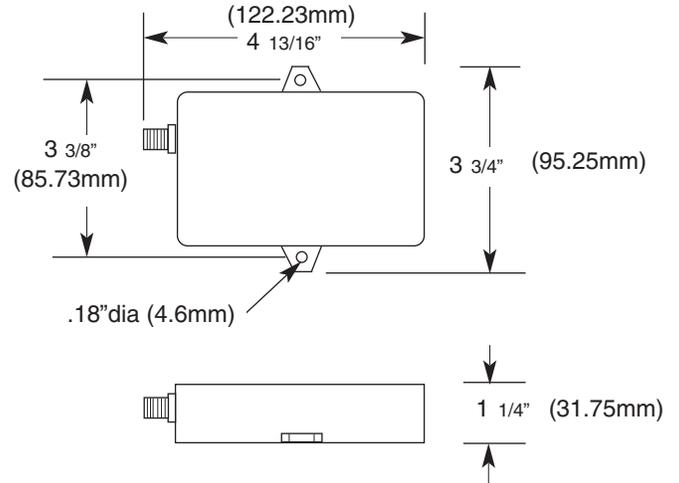
MWTA02 Transmitter w/Alarm

MWT02 Transmitter

General Specifications

Model #MWR02A Receiver (Intended for indoor use or inside a water resistant enclosure)

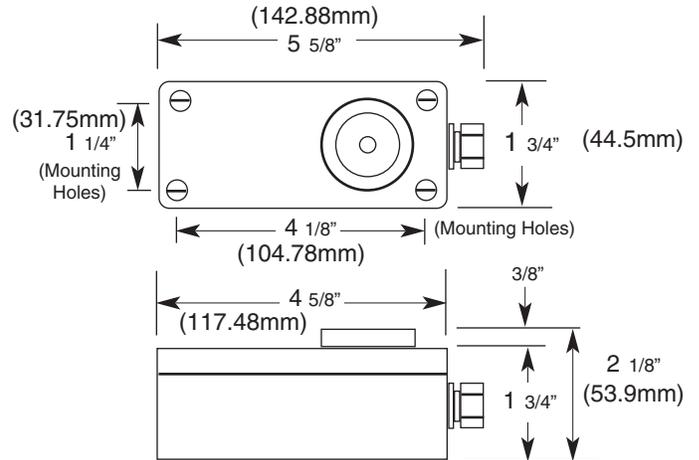
Enclosure Material: Polycarbonate
 Enclosure Color: Smoke
 Mounting: 2 side flanges - (See Diagram)
 Operating Frequency: 318 MHz
 Modulation: On Off Keying
 Code: Tri-state, Fixed, 1 of 19683 codes
 Power Requirements: 10 to 40 VDC, 10-29 VAC (RMS)
 Power Consumption: 13 mA (avg.) with Relay Off
 50 mA (avg.) with Relay On
 Output: Dry Relay Contact, N/O & N/C 0.5A@120 VAC, 1A@30 VDC
 Antenna: Attached, 18" #22AWG PVC insulated and
 Female F connector (grounded shell)
 Weight: 4.4 Ounces
 Connections: Wire, #22AWG, Red = Power Input, Black = Power Ground
 White = Relay Common, 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



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)

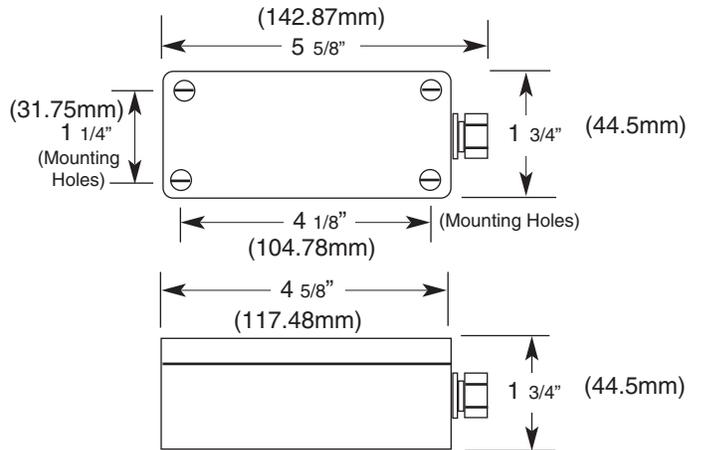
Model #MWTA02 Transmitter with Audible Alarm

Enclosure Material: Polycarbonate
 Enclosure Color: Black
 Enclosure Rating: NEMA 4 including cable fitting
 Weight: 7.2 Ounces
 Response Time: Nominal 30 msec.
 Operating Temperature: -4°F to 140°F (-18°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



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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