Universal - Wireless Transmitter/Receiver

with Audible Alarm



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 message 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.

Model #MWR02A Receiver

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.



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Product Specifications

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

MillerEdge

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

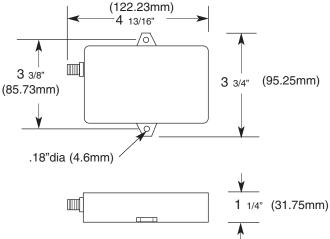
Indicators: Green LED = Power On, Red LED = Relay Active (address decoded)

Address Decode Switch: 9 position, tri-state, DIP

(19,683 programmable receiver codes)

Storage Temperature: $-40^{\circ}F$ to $+140^{\circ}F$ ($-40^{\circ}C$ to $+60^{\circ}C$) Operating Temperature: $-4^{\circ}F$ to $+140^{\circ}F$ ($-20^{\circ}C$ to $+60^{\circ}C$) 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 (-18C° to 60°C)

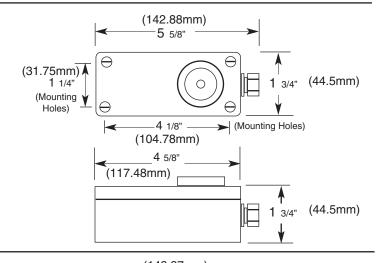
Operating Frequency: 318 Mhz. Maximum Operating Distance: 100 Feet

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 6 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.

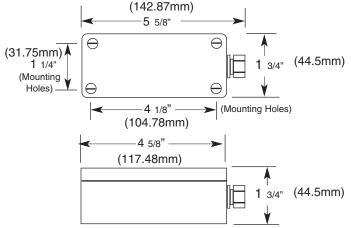
Operating Temperature: 0° F to 130° F (-18°C to 55°C) (Alkaline Battery)

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 6 seconds Mounting: #6 self drilling screws included

Special Features: 19,683 programmable transmitter codes



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