Universal - Wireless
Transmitters/Receivers

Applications

- **Electric Sensing Edges**
- **Air-Wave Sensing Edges**
- **Pneumatic Sensing Edges**

The Miller Edge Model MWTA12 and MWT12 safety edge transmitters are designed to provide wireless signal transmission from the safety edge to the motor controls. 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.

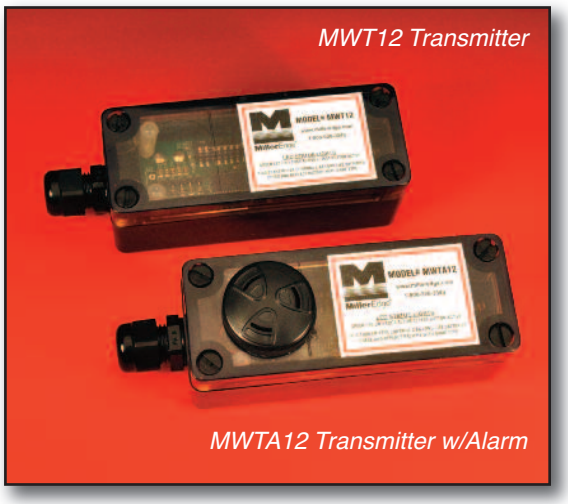
The Model MWTA12 is available with an Audible Alarm feature that activates when the battery is running low and needs to be replaced.

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.



Model #MWR13 Receiver


MWT12 Transmitter

MWTA12 Transmitter w/Alarm

Model Numbers:

MWR13 - Three Channel Receiver
MWT12 - Single Channel Transmitter
MWTA12 - Single Channel Transmitter with Low Battery Alarm

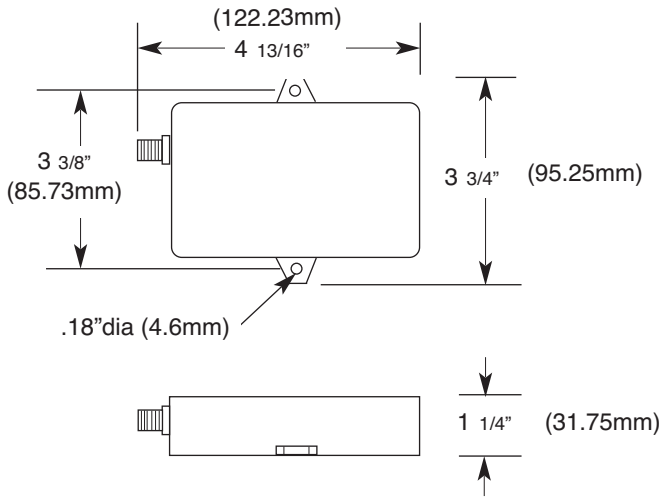
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General Specifications

Model #MWR13 Receiver

(Intended for indoor use or inside a water resistant enclosure)

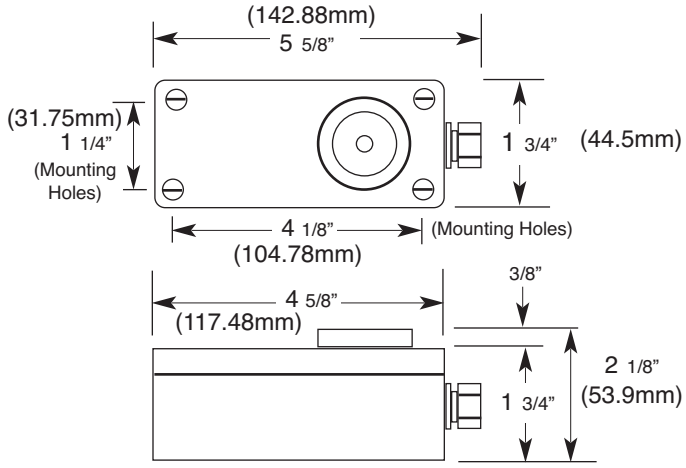
Enclosure Material: Polycarbonate
Enclosure Color: Smoke
Mounting: 2 side flanges - (See Diagram)
Operating Frequency: 318 MHz
Modulation: On Off Keying
Code: Tri-state, Fixed, 1 of 19683 codes
Power Requirements: 10 to 40 VDC, 10-30 VAC (RMS)
Power Consumption: 16 mA (idle)
53 mA (1 relay ON)
128 mA (Max, 3 relays ON)
Output: Dry Relay Contact, N/O & N/C 1A@60 VAC
Antenna: Attached, 18" #22AWG PVC insulated and
Female F connector (grounded shell)
Weight: 5.3 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)
Maximum Operating Distance: 100 Feet (Optimal Conditions)
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)

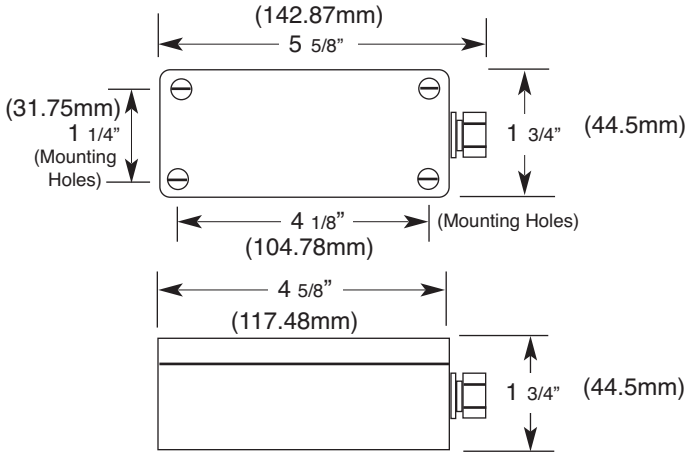
Model #MWTA12
Transmitter with Audible Alarm

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 (Optimal Conditions)
Power: (2) 1.5 Volt AA 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
Special Features: 19,683 programmable transmitter codes



Model #MWT12
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: (2) 1.5 Volt AA Alkaline Batteries
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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