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 Numbers:
- MWR12 - Single Channel Receiver
- MWT12 - Single Channel Transmitter
- MWTA12 - Single Channel Transmitter with Low Battery Alarm

Kits:
- MWRT12 - includes MWR12 and MWT12
- MWRTA12 - includes MWR12 and MWTA12
General Specifications

Model #MWR12 Receiver
(Indented 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: 60 mA (avg.) with Relay Off
140 mA (avg.) with Relay On
Output: Dry Relay Contact, N/O & N/C 1A@60 VAC
Antenna: Attached, 18” #92AWG PVC insulated and
Female F connector (grounded shell)
Weight: 7.2 Ounces
Response Time: Normal 30 msec.
Operating Temperature: -40°F to 140°F (-40°C to 60°C)
Operating Frequency: 318 Mhz.
Maximum Operating Distance: 100 Feet (Optimal Conditions)
Electrical Configuration: Optional N/O or N/C

Model #MWTA12
Transmitter with Audible Alarm

Enclosure Material: Polycarbonate
Enclosure Color: Black
Enclosure Rating: NEMA 4 including cable fitting
Weight: 7.9 Ounces
Response Time: Nominal 30 msec.
Operating Temperature: -4°F to 140°F (-20°C to 55°C) (Alkaline Battery)
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