

The "Communicator" Wireless Transmitter / Receiver



Model# MWCT01
Transmitter

The Miller Edge Model MWCK01 gate and door edge transmitter and receiver kit, is designed to provide a fully reliable, self checking communication between the 4-wire sensing edge and the door or gate motor operator.

When the sensing edge detects an obstruction, a fault condition is communicated to the transmitter and the receiver.

The signal is then passed on to the motor operator to control the motion of the door or gate.



Model# MWCR01
Receiver

Pats. Pending

Special Features

- **Lid Tamper Switch** - If the lid is removed from the transmitter, a Fault condition will occur until the lid is replaced.
- **Vibration/Motion Sensor** - Extends the battery life by powering down the transmitter when there is no movement of the door or gate.
- **Communication Check** - The transmitter communicates an OK signal to the receiver every 90 minutes. If the receiver does not recognize the OK signal, a Fault condition will occur.



- **Microprocessor Based Programmable Electronics**
- **Fault Protection** - The system is designed so that it can only fail, in a safe mode.
- **Sensing Edge Monitoring** - This unique feature will signal a Fault as a result to any damage or malfunction that may occur to the 4-wire edge sensor.
- **Low Battery Indicator** - When the battery is approximately 7 volts, a Fault condition will occur.

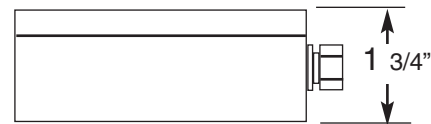
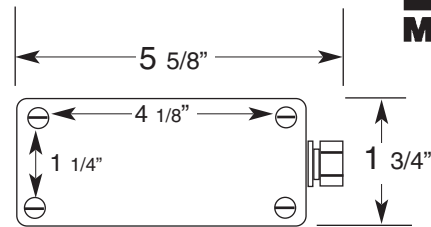
MILLER EDGE, INC. • P.O. Box 159 • West Grove, PA 19390 • (610)869-4422 • Fax: (610)869-4423 • 800-220-3343 • www.milleredge.com
MILLER EDGE, INC. • 6809 South Harl Avenue, Suite A, Tempe, AZ 85283 • (480)755-3565 • Fax (480)755-3558 • 800-887-3343

General Specifications



Model #MWCT01 Transmitter

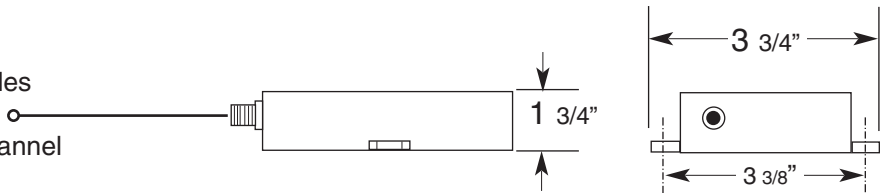
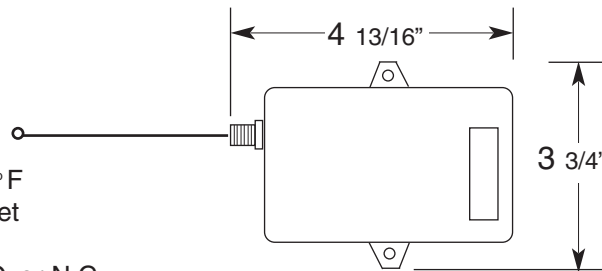
- Enclosure Material: Polycarbonate
 Enclosure Color: Black
 Enclosure Rating: NEMA 4
 Response Time: < 1 msec.
 Operating Temperature: -25° F to 120° F
 Operating Frequency: 315 Mhz.
 Board Size: 1.5" x 3.3"
 Maximum Operating Distance: 50 Feet
 Power: 9 Volt Lithium Battery
 Expected Battery Life: 12 months - normal usage
 Antenna Type: PCB Loop
 Mounting: #6 self drilling screws included
 Special Features:
- Programmable transmitter codes
 - Triggered by "edge" type input, fault or tamper condition.
 - Detects low battery voltage
 - LED indicator



NOTE: DO NOT drill any holes in the transmitter box. Use only mounting holes provided, any additional holes in transmitter box will cause water to enter and a loss of warranty.

Model #MWCR01 Receiver

- Enclosure Material: ABS
 Enclosure Color: Black
 Response Time: < 1 msec.
 Board Size: 1.5" x 3.3"
 Operating Temperature: -25° F to 120° F
 Maximum Operating Distance: 50 Feet
 Power: 24 volt AC or DC
 Electrical Configuration: Optional N.O. or N.C.
 Antenna Type: Coax Rigid Wire
 Special Features:
- Programmable receiver codes
 - 3x relays (110 VAC, 1A)
 - LED indicators for each channel



TECH-TIPS

- 1- If the edge is not working, test the transmitter battery. (The receiver cannot tell the difference between a dead battery and a bad battery)
- 2- Hand-Held Remotes cannot be used with the Communicator (4-Wire edges only)
- 3- Each channel on the Communicator can be N.O. or N.C. (Use the blue pins inside the receiver to select) (The factory setting is N.O.)
- 4- If the lid of the transmitter is open, the unit will not work.
- 5- The transmitter has to be motionless when programming the receiver or it will fault.
- 6- The coax rigid antenna (or coax only) has to be attached to the receiver. (There is no built in antenna wire)