

WEL-200

WIRELESS EDGE LINK



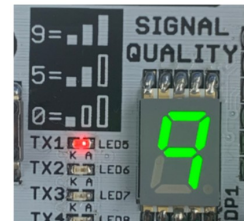
Wireless you can verify.

The EMX WEL-200 is a wireless edge link system used to connect monitored sensing edges to gate and door operators without running a hardwired edge circuit across the moving section. The WEL-200 is commonly used on swing gates, slide gates, industrial doors, and other automatic access systems.

Key features include:

- **See Your Signal:** The receiver displays a 0 to 9 signal quality score for each transmitter, so connection strength is verified on site rather than assumed.
- **Full Fault Feedback:** Separate LED codes identify an open edge, a shorted edge, a low battery, or a transmitter that has stopped communicating — read at the operator, before a housing is opened.
- **Multiple Transmitter Support:** Connects with up to four transmitters, providing separate relay and pulse outputs for open and close edge functionality.
- **Universal & Compliant:** UL325 compliant, with NC, 10K resistive and 300 Hz pulse monitoring selected on the DIP switch. Compatible with both 8.2K and 10K monitored safety edges.
- **Long Life:** Transmitters operate for two years on two AA lithium batteries, and report a low battery at both ends before it fails.
- **Durable:** Housed in a rugged, watertight NEMA 4X enclosure, rated from -40° to 140°F, with up to 200 ft. operating range (line of sight).

NEW! See the signal before you leave



The receiver shows signal quality, 0 to 9, for any transmitter you select. Short that transmitter's edge input and the readout refreshes twice per second — fast enough to walk the gate and watch the number the whole way. Pick the mounting spot with data, not optimism.



Redesigned Transmitter

- **Two terminals.** Land the edge leads. No power, no polarity.
- **Bracket mounts first.** Wire at working height, then hook it on with one screw.
- **Encased PCB.** Fully enclosed board reduces ESD risk in the field.
- **LED viewport.** Read status with the cover closed.

WEL-200



scan here for more
information



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Wireless Edge Link

- Radio signal quality display — verify each transmitter individually before leaving the site
- UL325-2018 Compliant
- NC, 10K resistive and 300 Hz pulse monitoring
- Up to 200 ft. operating range (line of sight)
- Connect up to 4 safety edge transmitters on 2 independent relay groups
- 915 MHz, 25 channels with automatic clean-channel selection
- NEMA 4X enclosure, -40° to 140°F



WEL-200T
TRANSMITTER — REDESIGNED



WEL-200R
RECEIVER



MOUNTING BRACKET
INCLUDED WITH TRANSMITTER

Technical Data	WEL-200T TRANSMITTER	WEL-200R RECEIVER
Operating Range	Up to 200 ft. (line of sight)	Up to 200 ft. (line of sight)
Operating Frequency	915 MHz	915 MHz, 25 channels, automatic selection
Response Time	100 ms	100 ms
Edge Resistance Range	4K – 12K ohms (resistive edges only)	NA
Monitoring Methods	NA	Normally closed (NC), 10K resistive termination, 300 Hz pulse
Outputs	NA	Relay 1 / Relay 2: Form C contacts (NO, COM, NC) Pulse 1 / Pulse 2: 300/0 Hz, open collector (opto-isolated)
Resistive Termination	NA	10K ohm across NO contact, DIP selectable per relay group
Channel Assignment	NA	DIP switch assigns each of 4 transmitters to Relay 1 or Relay 2
Signal Quality Display	NA	One digit, 0 to 9, per transmitter; 0.5 s refresh in setup mode
Status Indicators	Green, yellow and red LEDs visible at the housing viewport	Red power LED, green system status LED, 4 green channel LEDs
Power Supply	3 – 3.6 VDC (2x AA lithium) (ANSI 15-LF, IEC-FR14505 (FR6))	12 – 24 VAC/VDC, non-polarized
Battery Life	2 years at 25°C	NA
Current Draw	NA	1 Relay – 42mA, 2 Relay – 70mA
Power Protection	Thermal fuse	Thermal fuse, MOV
Environmental Rating		NEMA 4X
Operating Temperature	-40°...60°C (-40°...140°F)	-40°...60°C (-40°...140°F)
Dimensions (L x W x H)	180mm (7.0") x 32mm (1.3") x 67mm (2.6")	140mm (5.5") x 34mm (1.3") x 90mm (3.5")
Weight	180g (6.4 oz.)	200g (7 oz.)
Connections	2 terminals (18-26AWG)	12 terminals (18-26AWG)
Cable Entry	Cable Gland (Included)	0.181 – 0.321" (4.6 – 7.9 mm); second insert for smaller cable
Mounting	Bracket, 2 screws to post plus 1 housing screw	4x #8 machine screws

COMPATIBILITY Match the PCB color. Transmitters with a **GREEN** PCB work only with **GREEN** PCB receivers. Transmitters with a **RED** or **BLACK** PCB work with **BOTH RED and BLACK** PCB receivers. Green board product is not compatible with red or black board product.

Ordering Information

- **WEL-200K** EMX-4012-2 Wireless Edge Link kit — WEL-200R receiver, WEL-200T transmitter with bracket, 2 cable grip inserts and 2 AA lithium batteries
- **WEL-200T** EMX-4011-2 Wireless Edge Link transmitter with mounting bracket
- **WEL-200R** EMX-4010-2 Wireless Edge Link receiver

WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein. EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity defect in material or workmanship. **Rev 7.0 08/20/2026**

