

WEL-200

WIRELESS EDGE LINK

Applications

The WEL-200 provides a complete wireless solution for interfacing sensing edges with gate and door operators. The WEL-200 system eliminates the need to wire between the safety edge and operator control box while ensuring compliance with 2016 UL325 monitoring standards. The Wireless Edge Link operates at up to 200 ft. between transmitter and receiver. The receiver connects with up to four transmitters, with separate relay and pulse outputs for open and close edge functionality. The WEL-200 is housed in rugged, watertight, NEMA 4X enclosures.

The WEL-200 transmitter is compatible with both 8.2K and 10K monitored safety edges. WEL transmitters will operate for two years on two AA lithium batteries.

With enhanced diagnostic features, the WEL-200 receiver makes installation and maintenance easy and reliable. Feedback is provided for all fault modes, including edge open and short conditions, low battery and failed transmitters. The WEL receiver supports all common monitoring methods, including normally closed (NC), resistive termination (10K) and pulse output.

WEL-200



EMX

INDUSTRIES

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WIRELESS EDGE LINK

- UL325-2016 compliant
- NC, 10K and pulse monitoring
- 200 ft. operating range
- Connect up to 4 safety edge transmitters
- NEMA 4X enclosure



WEL-200T



WEL-200R

Technical Data

Operating range

Response time

Power/fault indicator

Channel status indicator

Channel mode selection switch

Outputs

Resistive termination

Power protection

Environmental rating

Power supply

Battery life

Current draw

Operating temperature

Dimensions (L x W x H)

Weight

Connections

WEL-200T

Up to 200 ft. (line of sight)

100ms

Green transmit/status LED

NA

NA

NA

NA

Thermal fuse

NEMA 4X

3-3.6 VDC (2x AA batteries)
(ANSI 15-LF, IEC-FR14505 (FR6))

2 years at 25°C

NA

-40°...60°C (-40°...140°F)

180mm (7.0") x 32mm
(1.3") x 67mm (2.6")

170g (6 oz.)

2 terminals (18-26AWG)

WEL-200R

Up to 200 ft. (line of sight)

100ms

Red power LED/green channel LED

Green LED

Assign each channel to OPEN/CLOSE function

- OPEN relay: Form C contacts (NO, COM, NC)
- CLOSE relay: Form C contacts (NO, COM, NC)
- OPEN pulsed: Open collector transistor output (opto-isolated)
- CLOSE pulsed: Open collector transistor output (opto-isolated)

10K ohm across NO contact (jumper selectable)

Thermal fuse, MOV

NEMA 4X

12-24 VAC/VDC

NA

50 mA

-40°...60°C (-40°...140°F)

140mm (5.5") x 34mm
(1.3") x 90mm (3.5")

200g (7 oz.)

12 terminals (18-26AWG)

Ordering Information

- WEL-200K Wireless Edge Link kit, 1 transmitter and 1 receiver
- WEL-200T Wireless Edge Link transmitter
- WEL-200R 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 1.0 01/17/17

