CYPRESS ENVIROSYSTEMS

WIRELESS DIGIT READER
(WDR-210-000-900-2)

FEATURES:

- Non-invasive, easy clamp on fit. No need to break seals.
- Available adapters to fit most panel indicators.
- Uses 900MHz LoRa compliant radio communications .
- Battery life up to three years on 15 minute sample rate.
- Low Battery indicator.
- NEMA4/IP66 enclosure for indoor/outdoor use.
- One-time calibration and setup.
- No new software to install – data can be view through standard browser (requires Green Box Controller).
- FCC, ROHS Compliant.
- Optional connectivity to existing plant or building automation systems via OPC, RESTful API, or BACnet/IP.
- Includes quick disconnect feature to allow unit to be removed and reattached without recalibration.

Non-invasively read mechanical odometers and/or LED/LCD numeric indicators and wirelessly transmit the data to a PC, data acquisition or automation system.

The patented Wireless Numeric Reader (WNR) requires a fraction of the cost and time of installing conventional transducers or transmitters. It does not require the removal of old indicators, learning new software, or disruption of plant processes.

Just clamp it on to an existing indicator and, in minutes, wirelessly acquire readings on an existing data acquisition or control system.

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KEY PRODUCT SPECIFICATIONS:

Indicator Compatibility:	Most indicators from 1.7” to 4.64” width
Data Capture Rate:	User selectable from five second to 18 hour sample rate
Wireless Frequency:	902.000 MHz to 928.000 MHz (LoRaWAN) and 2.4 GHz to 2.483 GHz (BLE)
Wireless Range:	500 to 1,500 ft in typical plant environments
Modulation Method:	LoRa® and Bluetooth Low Energy modulation
Approvals:	FCC CFR47, Part 15 Subpart C
Power Supply:	Two 3V lithium batteries, type CR123A
Battery Life:	>1 year at 5 minute sample rate, >3 years at 1 hour sample rate
Vibration:	Up to 4G RMS
Humidity:	10-99% RH, non-condensing
Operating Temperature:	-4°F to 158°F (-20°C to 70°C)
Storage Temperature:	-40°F to 176°F (-40°C to 80°C)
Enclosure:	NEMA 4X, IP66 compliant (outdoor, water resistant)
Housing Material:	ABS with UV inhibitors
Display:	LCD display (not backlit) for manual reading
Dimensions:	2.6” x 2.6” x 1.3”
Weight:	0.33 lbs including batteries

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