



# DataNet Receiver/Repeater

## Product Images



## Short Description

The DNL910A is a wireless temperature logger featuring one internal temperature sensor measuring between -20 and 50 °C and four external 2-wire inputs each capable of measuring temperature, voltage, current, frequency, pulse as well as dry contact.

With high accuracy and resolution across all inputs, the DNL910A records all measured data to its internal memory before transmitting wirelessly over the DataNet network to the online DataSuite monitoring software.

The DNL910A's compact and robust casing is suitable for most industrial applications. This model includes a 2-row LCD screen and two-button keypad for standalone operation, such as joining the device to the wireless network, as well as a rechargeable battery pack for long-term deployment. Depending on the logger configuration, the DNL910 can run up to several months on one charge. External alarm output is available as well as 12 V excitation for powering external sensors.

DNL910A can also function as a Repeater, providing the logger with the ability to not only record and transmit its own data but also to relay transmissions from other units, thereby enhancing the DataNet's mesh network

capabilities.

## Description

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### Key product benefits:

- Up to 5 measurement inputs with high accuracy and resolution
- Real-time, wireless transmission to PC with adjustable sampling and transmission rates to conserve battery power.
- LCD for online viewing of data samples
- Support for scalable units, when connecting external sensors based on current or voltage outputs
- Four level alarm configuration with email/SMS notification and onboard alarm buzzer
- Long-lasting rechargeable battery for standalone monitoring
- 21 CFR Part 11 compliant

## Additional Information

|                             |   |  |
|-----------------------------|---|--|
| Brand                       | Fourtec   |  |
| Explanation                 | <b>Specifications</b>                           |  |
|                             | <b>RF NETWORK COMMUNICATION</b>                 |  |
|                             | <b>Frequency</b>                                | 2.4 GHz  |
|                             | <b>Units per network</b>                        | Up to 65,000   |
|                             | <b>Data rate</b>                                | 250 Kbps   |
|                             | <b>Full mesh network architecture supported</b> |  |
|                             | <b>128-bit network security encryption</b>      |  |
|                             | <b>Worldwide license-free</b>                   |  |
|                             | <b>RF Transmission</b>                          | 17 dbm   |
|                             | <b>HARDWARE SPECIFICATIONS</b>                  |  |
|                             | <b>Display</b>                                  | 2-row LCD with 16 character display  |
|                             | <b>Keypad</b>                                   | 2-button keypad for standalone operation   |
|                             | <b>Power Supply</b>                             | Internal rechargeable 4.8 V 800 mAh NiMH battery<br>External 12 V DC input @ 300 mA 3.6 VA<br>Back-up battery life up to 3 hours |
|                             | <b>PC Interface</b>                             | Mini USB type B cable  |
|                             | <b>Operating Temperature Range</b>              | -20 to 50 °C   |
|                             | <b>Casing</b>                                   | Plastic ABS box  |
|                             | <b>Dimensions</b>                               | 9.7 x 9.3 x 2.7 cm   |
| <b>Weight</b>               | 200 g   |  |
| <b>Mount</b>                | Table and wall mounting                         |  |
| <b>Standards Compliance</b> | CE, FCC, IC Canada, IP54                        |  |
| Power                       | Battery only                                    |  |