

Release Notes PN 93000798_G

Digi Connect(R) Sensor

82003838_G EOS Standard

Firmware Version 2.0.3.51

82004071_C EOS Continuous Monitoring

Firmware Version 2.0.3.50

December 12, 2018

INTRODUCTION

The Digi Connect Sensor provides wireless drop-in-networking for industrial sensors. The Connect Sensor device operates wirelessly by running on a long-life battery that provides 2-3 years of sensor readings and communicates using a cellular network.

SUPPORTED PRODUCTS

CSENSE-A210 ConnectSensorPlus, LTE Verizon
CSENSE-A210-N ConnectSensorPlus, LTE Verizon, No Battery

CSENSE-A310 ConnectSensorPlus, LTE AT&T
CSENSE-A310-N ConnectSensorPlus, LTE AT&T, No Battery
CSENSE-E300 CS, Endress, LTE AT&T, SIM

CSENSE-A710 ConnectSensorPlus, HSPA+
CSENSE-A710-N ConnectSensorPlus, HSPA+, No Battery
CSENSE-E700 CS, Endress, HSPA+, SIM

Firmware Version 2.0.3.51 - Standard firmware
Firmware Version 2.0.3.50 - Continuous Monitoring Firmware
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HIGHLIGHTED PRODUCT CHANGES

None. Bugfix release only.

ENHANCEMENTS

None.

BUG FIXES

[SG-1859] - HART device status errors must not cause response rejection

KNOWN ISSUES

None.

DOCUMENTATION ERRATA

None.

ADDITIONAL INFORMATION

None.

HISTORY

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Firmware Version 2.0.3.39 - Standard firmware
Firmware Version 2.0.3.42 - Continuous Monitoring Firmware

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HIGHLIGHTED PRODUCT CHANGES

* Released new hardware: Connect Sensor Plus. This new hardware includes HART and Modbus protocol support.

* Released an optional version of firmware that supports continuous monitoring.

For some customers, the scheduling paradigm of the standard Connect Sensor offering is inadequate. With continuous monitoring, Connect Sensor can constantly monitor sensors for an alarm by continually sampling sensor data. This enables Connect Sensor to find alarms faster, and to not miss any alarms that may have occurred between scheduled sensor readings. Note that direct mains power is strongly suggested when using this optional firmware load.

ENHANCEMENTS

[SG-1657] - Change the name of the HART/ModBus version to Connect Sensor Plus
[SG-22] - Configure Modbus serial settings from Device Cloud
[SG-1453] - Generate an alarm on Modbus Error
[SG-1455] - Modbus add support for Floating point numbers
[SG-1504] - Add HART current loop delay
[SG-1522] - Add oversampling of Sensor readings
[SG-1523] - Make read interval configurable to down to 1 minute.
[SG-1648] - Drive Digital Output on analog Alarm
Add continuous monitoring firmware option

BUG FIXES

[SG-1480] - Send last (sdc) max is 8-bit update send last to support up to 65545
[SG-1481] - Device will not sleep at low current if vout is enabled
[SG-1486] - HART: Avoid delays if HART is enabled on non-HART boards

[SG-1487] - ALARM: add sensor enable check to alarm processing

KNOWN ISSUES

None.

DOCUMENTATION ERRATA

None.

ADDITIONAL INFORMATION

None.

Firmware Version 2.0.2.91

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HIGHLIGHTED PRODUCT CHANGES

ENHANCEMENTS

Add support for LE910-SV1 Verizon LTE Modem

Connect Tank has also received Class 1, Division 2,
Groups A, B, C, D Hazardous Locations Certification

BUG FIXES

None.

KNOWN ISSUES

None.

DOCUMENTATION ERRATA

None.

ADDITIONAL INFORMATION

None.

Firmware Version 2.0.2.89

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HIGHLIGHTED PRODUCT CHANGES

ENHANCEMENTS

Add support for LE910-NA1 LTE AT&T Modem

BUG FIXES

None.

KNOWN ISSUES

None.

DOCUMENTATION ERRATA

None.

ADDITIONAL INFORMATION

None.

Firmware Version 2.0.2.81

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HIGHLIGHTED PRODUCT CHANGES

Initial Release

ENHANCEMENTS

None.

BUG FIXES

None.

KNOWN ISSUES

None.

DOCUMENTATION ERRATA

None.

ADDITIONAL INFORMATION

None.