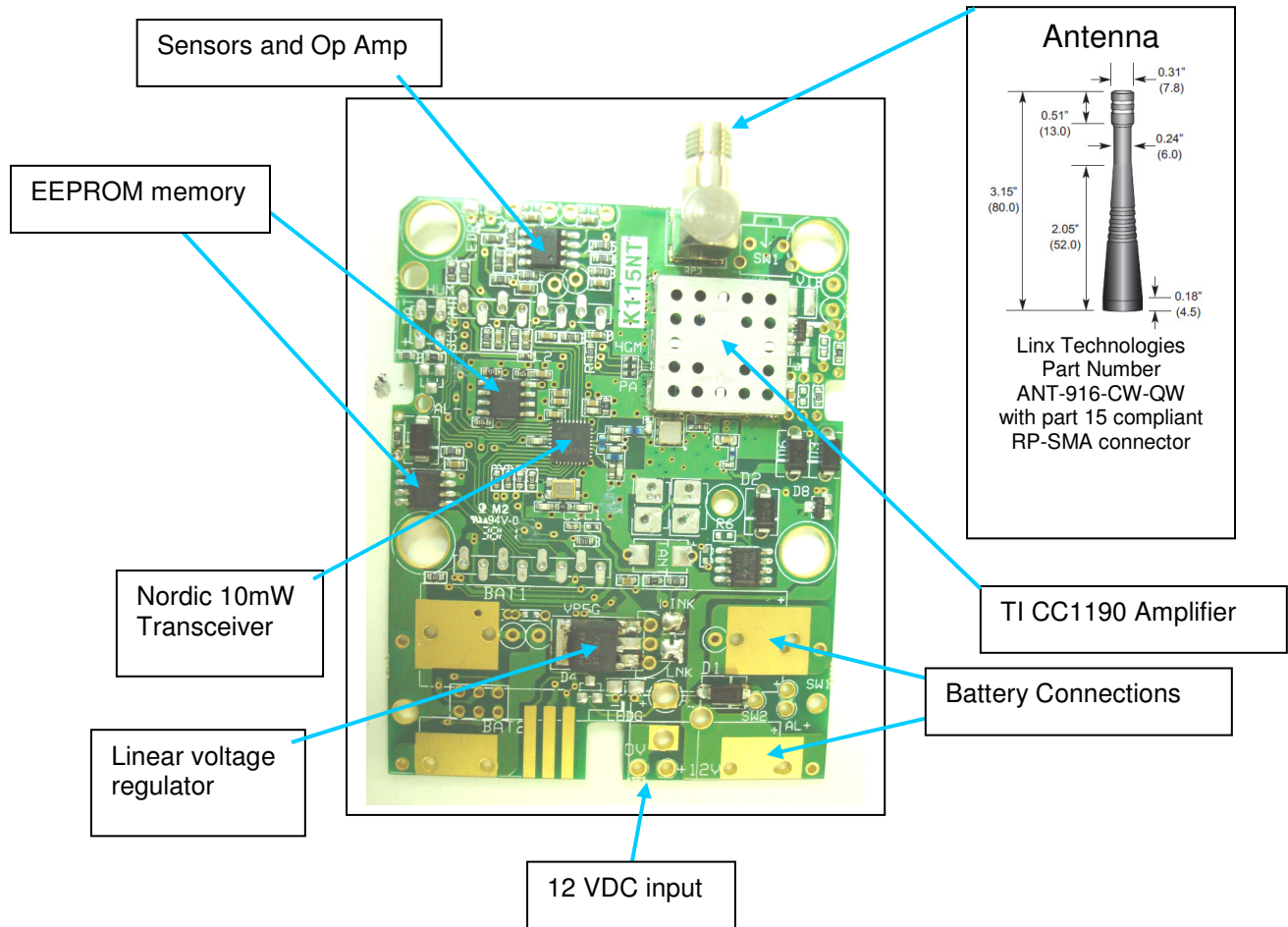


Product Manual

Wireless Sensor Module K115 FCC ID: Z4GK115



Instruction for installation

Note the enclosure into which this module is installed must display a Label clearly visible to the user without magnification stating **"Contains FCC ID: Z4GK115"**

This module is to be installed only in the end products of Cora Tine Teoranta t/a Kelsius

Analogue Sensors (2):	Thermistor: R@25 deg C = 10KOhms +/- 1% B = 3977 +/- 1%
Analogue Sensors (1):	Power supply is monitored by 1M to 47K resistive divider.
Digital Sensor:	Normally Open contact 3.3VDC 25mA
Digital Sensor:	Sensirion SHT11 Temperature and Relative Humidity sensor
Digital Outputs:	GPIO 3 Green LED indicates connectivity GPIO 1 Alarm Output
Back Up Battery:	3.6V 1Ahr. AA Nickel Cadmium battery pack (2)
Power Supply:	12VDC >500mA UL approved mains adaptor.
Radio Frequency Band:	902 to 928MHz
Line of sight Radio Range:	1000m
Modulation Type:	FHSS
Power Output:	200mW
Reprogrammability:	Fully Reprogrammable over RF
Antenna:	Linx Technologies. Part Number ANT-916-CW-QW With part 15 compliant RP-SMA connector

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

WARNING! This module is to be installed only in Cora Tine Teoranta t/a Kelsius end products by Cora Tine Teoranta t/a Kelsius personnel, and shall not be offered to 3rd party OEM integrators or the general public.

The RF Module is labeled with its own FCC ID Number. If the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following:

Contains Transmitter Module FCC ID: Z4GK115

or

Contains FCC ID: Z4GK115

To comply with FCC RF radiation exposure limits for general population, the antenna(s) used for this transmitter must be installed such that a minimum separation distance of 20cm is maintained between the radiator (antenna) and all persons at all times and must not be collocated or operating in conjunction with any other antenna or transmitter.