Product Manual

Wireless Transceiver Unit K116
FCC ID: Z4GK116

Instruction for installation

The FCC ID : Z4GK116 for the K116 Tranceiver Unit is located on the side of the unit

Energize the unit using a 12VDC 1Amp UL approved power adaptor.

Internal rechargeable batteries maintain operation in the event of power failure for up to 2 days.

Analogue Sensors (2):	Thermistor: R@25 deg C = 10KOhms +/- 1% B = 3977 +/- 1% or generic analogue sensor
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 Red 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. Green LED indicates power supply connection and battery trickle charge.
Radio Frequency Band:	902 to 928MHz
Line of sight Radio Range:	5000m
Modulation Type:	FHSS
Power Output:	1W
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.

This device complies with FCC RF radiation exposure limits set forth for general population (uncontrolled exposure). This device must not be collocated or operating in conjunction with any other antenna or transmitter.

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.