Flanders Node/Dock/Sensor User Guide

Product overview:

Node is an emergency lamp upgrade and transformation of the product, through the addition of this product, you can achieve intelligent detection of the state of emergency lights, simplify the transformation of the manual inspection of emergency lights before the complicated process, improve work efficiency, save labor costs.

Features:

BLE group network
Remote control and detection
Accurate ambient light detection
Accurate emergency light battery level detection
RTC timing
Antennas extend to enhance coverage
The phone can be manipulated
Wide AC voltage input for more use conditions

Technical parameters:

Logo :
Brand: EMC
Company: Concord Electronic（Huizhou）Ltd   &   Country Mate Technology Ltd
BLE   IC: EFR32BG21A020F768IM32_B
Model: Flanders   Node/Dock/Sensor
Bluetooth: This Class A digital device complies
Using local: For Indoor use only
Operating temperature :   -10℃ -60℃
AC OUT Load :   85-277VAC@60HZ   10A

AC parameters:
AC Input: 85-277 VAC s 60HZ, 10A
AC output: 85-277 VAC s 60HZ, 10A
AC output airborne current: Imax is 25mA
RF power: 20dBm

Light sensor parameters:

Output: IIC number

Supply voltage: 3.3V

Current of work: Imax=1mA

Voltage sensor parameters:

Output: IIC number

Supply voltage: 3.3V

Detection range: -32VDC-32VDC

Current of work: Imax s 5mA

Dock parameters:

Output: IIC number

Supply voltage: 3.3V

Current: Imax s 10mA

Details:

Node：

Dock：

Sensor：

Accessory line 1

Accessory line 2

Accessory line 3

ANT

1. Node Explain in detail

a. 4pin Jack（4pcs）

The 4 Jack are functionally consistent and can be connected to Sensor or Dock via Accessory Line 2.

Note: The Dock can only be followed by one, Sensor with up to three, and the interface is common.

b. 2pin jack（1pcs）

The 2pin jack can only insert accessory line 3, accessory line 3 connected to the fire lamp inside the battery positive and negative pole.

Note: Red- positive pole, black- negative pole.

c. RF jack

The RF jack can be connected to the antenna or to the Dock via accessory line 1.

d. LED

RGB，Status indication.

e. Button

Reset SW

f. Hole

Return to factory settings buttons (hidden button).

g. AC power lines

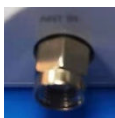

Black: AC input LIVE
White: NEUTRUAL (Common part)
Red: AC output Load
Green: Earth

2.   Dock：

a. RF input jack

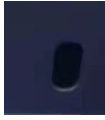Connect to Node via accessory line 1; (refer to Node's c)
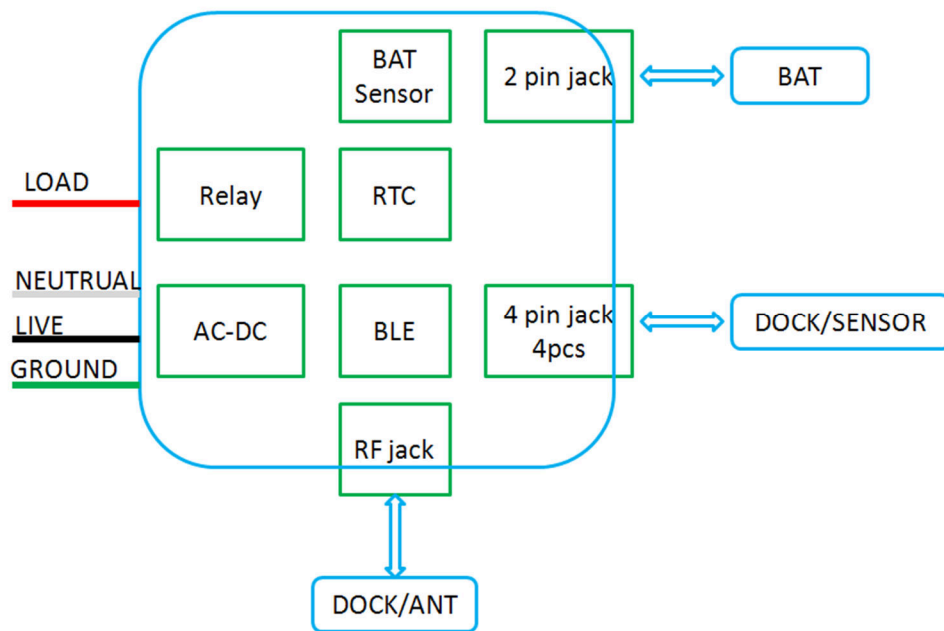
b. RF out jack

Connect to ANT

c. 4Pin jack

Connect to Node via accessory line 2; (refer to Node's a)

d. LED

RGB LED , when Node is powered on and Dock connect with Node, Status indication.
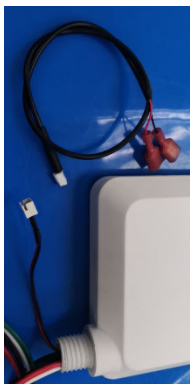
3. System Architecture

Connect Sensor：

Connect Dock：

Connect 2Pin jack

Connect RF jack

4. Install the tutorial

https://www.??????.com/ (预计 6 月份才能提供)

Features:

Through the BLE network, the automation to detect the state of emergency lights, including the ambient brightness, internal battery power, time and so on.

FCC ：

FCCID: 2AZJ5-EMCN001

Compliance with Standards

This device complies with FCC Rules Part 15 and with Industry Canada license exempt RSS standard(s). Operation is subject to two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference that may be received or that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autoriséeaux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le f onctionnement.

NOTE: This equipment has been tested and found to comply with the limits f or a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmf ul 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 interf erence 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 or more of the f ollowing 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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.