

Wireless Gateway

LFX Gateway (LFX-GW1)



Overview

LFX Gateway is the link between the LFX Connect Control boxes, LFX Wall Controls and other LFX Gateways within the LFX Intelligent Lighting System. It is responsible for receiving and relaying energy, environmental and occupancy data and for sending control commands to the LFX Connect. It utilizes IEEE 802.15.4 for wireless communications with the LFX Connect control boxes, WiFi or wired TCP/IP network for communication with the other LFX Gateways.

Each LFX Gateway is able to connect up to 50 LFX Connect control boxes in a mesh format. Data communication is secured using industrial grade AES 128 bit encryption.

FEATURES

Scalable System

- Connects up to 50 LFX Connect control boxes or LFX Wall Controls in mesh format
- Can be used as a local control system with a single or more LFX Gateway, without the need of a server or PC
- Connection to the cloud for remote access of the system

Versatile Network Capability

- Connects to the other LFX Gateways through an existing WiFi network or to connect all LFX Gateways together using CAT5 cables to the Ethernet switch to establish a network

Ease of Installation

- Compact design with internal antennas
- Easy to install mounting plate
- Snap on design to allow easy removal of the LFX Gateway for configuration or service

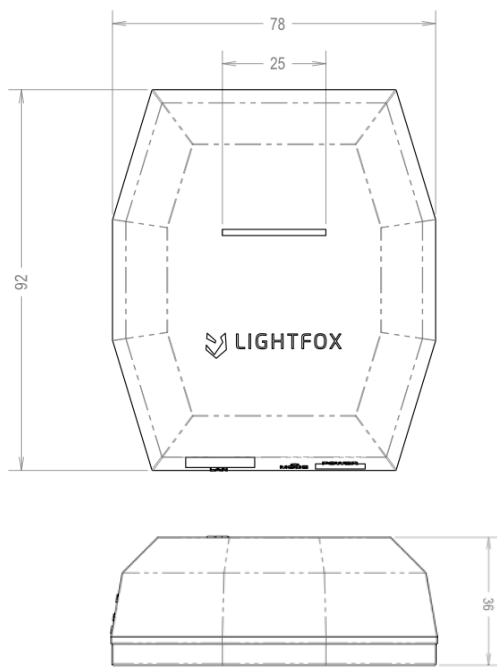
Data Security

- Traffic is secured using AES 128-bit encryption

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SPECIFICATIONS



Operating: -20 deg °C to +65 deg °C
Environment: Indoor use only
Power Input Type: Micro USB
Power Input Voltage: 5 Vdc

Networking Connection with other LFX Gateway:

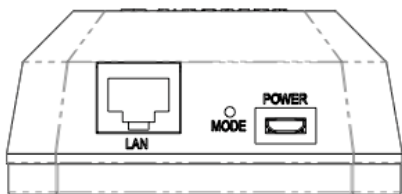
Wireless Standard: Wireless
Frequency: WiFi 802.11 b/g/n
Wireless Range: 2.412-2.484 GHz
Network Protocol: 30 meters (open space)
LAN Connector: IPv4,TCP/UDP/FTP/HTTP
RJ45

Connection to LFX Connect and Wall Switch

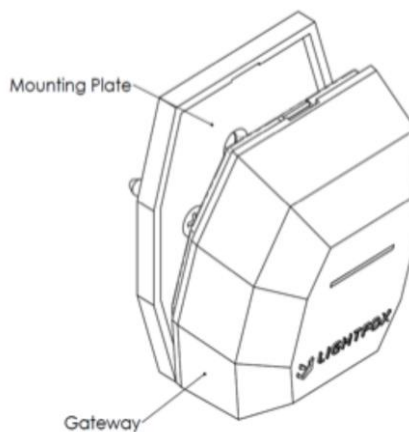
Wireless Standard: iEEE802.15.4(PHY)
Wireless Range: 30 meters (open space)
Frequency Range: 2.5-2.48 GHz
Max # of devices: 50
For each gateway
Dimensions: 92 x 78 x 36 mm (L x H x D)
Order Info: LFX-GW1 LFX Gateway

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TERMINALS



MOUNTING



**Pictures and Specifications are just for reference and subject to change without notice*



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Warning

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.

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

NOTE: 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 or more 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.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

