Installation & Wiring Instructions
LITEWAY - Wireless IoT Gateway

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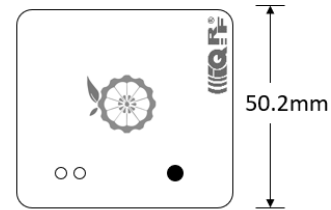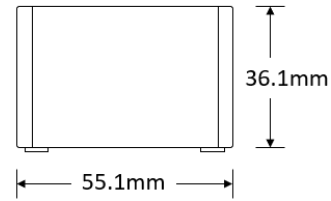
Description:

The LiteMesh LITEWAY gateway is designed to communicate with up to 239 LiteMesh IQD/1 nodes. If being used with LiteMesh Cloud, the gateway should be mounted with acces to either a LAN or a 4G router via an Ethernet cable. The gateway should also have line of sight to at least one of the IQD/1 nodes within the mesh it is controlling.

The gateway will communicate data between the mesh and the user interface platform/screen. This two way communicaiton will send compliance data to the cloud platform/local interface following the emergency control gear's funtion and duration tests.

Timings of those tests will be set during the commisisoning process.

36.1mm

55.1mm

50.2mm

Specification:

Input Voltage	230-240 Volts AC 50/60 Hz
Power Supply	2A at 5V with micro USB
Power Rating	1.3W 12.5mA - λ = 0.44
Duration	3 hours
Communication Interface	Ethernet
Min Case Temperature	-10°C
Max Case Temperature	55°C
Communication Band	868MHz
Radiated Power	12 dBm
Ingress Protection	IP40
Dimensions (L x W x H)	50mm x 54mm x 36mm
Module Weight	0.1Kg
Security	AES-128 Dynamic Keys
Directionality	Bi-Directional
Native Multi Hop	240 Hops Per Packet

Warning

Please ensure that permanent power is applied to the gateway prior to commissioning and throughout its operational life.

Important

It is recommended that the gateway is installed by a competent person ensuring the installation complies with the necessary standards. Liteplan accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

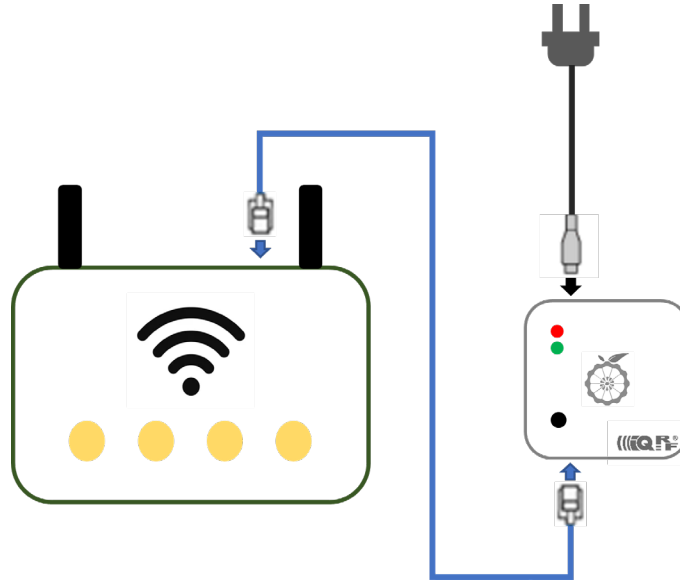The gateway requires an unswitched continuity of the mesh and communication to the user interface.

Installation

When installing the gateway to a scheme, observe the following points:-

1. Ensure that the gateway is being installed where it will be able to freely communicate with the mesh. No less than 10m from at least one node.
2. If a Cloud scheme, fit Ethernet cable to the gateway and the LAN/4G router.
3. Connect the 5V power supply to the micro USB port and plug the unit into a 230V AC mains plug.
4. **Take a note/picture of the gateway's serial number ans this will be requied for the commissioning process.**
5. The gateway can form part of a mesh of up to 240 points maximum.
6. Multiple gateways can be used in a scheme.

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Typical
Wiring Diagram

For **Litemesh** cloud Projects:

1- Plug the Gateway into an available LAN port or your wireless/4G router.

2- Plug the Gateway into power by connecting the micro-USB cable into the rear of the unit. Connect the power adapter plug into a suitable socket outlet.

3- Take a note/picture of the serial number that can be found on the underside of the gateway. This will be required during the commissioning process.

For **Litemesh** local Projects:

1- Plug the Gateway into power by connecting the micro-USB cable into the rear of the unit. Connect the power adapter plug into a suitable socket outlet.

2- Take a note/picture of the serial number that can be found on the underside of the gateway. This will be required during the commissioning process.

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