bodine

FirstLink Connected Emergency Lighting for Automated Testing and Reporting

Slash Compliance Costs

Simplify Testing and Reporting

Schedule System Testing

Project:

Location:

Cat.No:

Type:

Qty:

Notes:

Specifications

Regulatory Certifications
Listed to UL924 and tested to CSA 22.2 No. 141 Input CEC Title 20 Compliant or DOE as applicable based on product type

Illumination Time
90 Minutes (minimum)

Full Warranty
5 Years (NOT pro-rata)

Network Type
Zigbee Mesh (device to device)
Bluetooth Low Energy (device to app)

Wireless Range[1]
40' (typical minimum)
80' (line of sight)

Internet Connectivity
Not required for device to device or device to app communication
Required for project/data backup to cloud, to share projects with other users, and to authenticate users upon login

Device Compatibility
iOS 15 or newer
Android (version 11.0 or later)

Bluetooth Compatibility
5.0 or newer (iPhone 8, Samsung Galaxy S9+, Google Pixel 3/3XL or newer)

1 - Wireless range can be impacted by many factors, which must be taken into account during the system design. A more complete discussion can be found in the FirstLink Application Guide.

Benefits:

- Stand-alone system mean simple installation and commissioning.
- Lights perform code-required monthly and annual testing.
- Test results are collected by the FirstLink application for easy access as needed.
- Create reports for record keeping and inspections at the push of a button.
- Initiate a manual 30-second or 90-minute test through the app.
- Change the date and time of the scheduled monthly and annual tests by group or by zone level.
- Broad wireless range and mesh network means wide network coverage.
- Share access to projects with other users.
- Customize your installation by creating custom projects, groups, and zones, and rename installed devices.

FirstLink Overview Video (YouTube)

bodine.cc/firstlink

FirstLink

Connected Emergency Lighting

Application

FirstLink is a complete and full code compliant emergency egress lighting system, comprised of the FirstLink application and FirstLink enabled hardware, such as emergency LED drivers, exit signs, combo exit signs, and unit equipment.

The FirstLink application is available for iOS and Android smart devices and provides easy and instant access to the status of the emergency lighting system.

Operation

When AC power fails, the FirstLink connected emergency lighting hardware immediately switches to the emergency mode, providing emergency illumination for a minimum of 90 minutes. When AC power is restored, the hardware automatically returns to the charging mode.

During automated testing, the hardware simulates an AC power outage, causing it to switch to emergency mode and conduct a discharge test. During this test, the hardware monitors battery voltage and the emergency light source's operation. If a problem is detected, the status indicator light flashes and the error information is stored in the devices internal memory. When testing is complete, the FirstLink hardware returns to the charging mode. Automatic testing occurs each month for 30 secondes and once annually for 90 minutes.

ABConnect (Automatic Bodine Connect) simplifies shipping, storage, installation, and commissioning of the emergency lighting device. It allows for the device to be installed and made ready for use without needing to open the device or luminaire when AC power is available. Apply AC mains to activate. Once activated, the product can also be manually disabled by removing power and pressing the test switch for approximately 3 seconds, allowing the product or the luminaire to be safely stored for extended periods of time. In the situation where the user manually deactivates the emergency operation for shipping or storing product via the test switch, the ABConnect feature reactivates the product when the driver senses that AC power is reapplied.

Code Compliance

The FirstLink system hardware complies with Part 15 of the FCC Regulations and meets CEC Title 20 (California Energy Commission) or DOE (Department of Energy) efficiency regulations (depending on the requirements of the product). The hardware shall be UL924 Listed for factory or field installation in the USA or Canada.
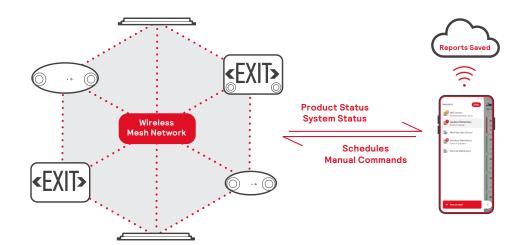
Specification

Emergency lighting shall be provided by a combination of [exit signs], [combination exit signs], [unit equipment], and/or [LED luminaires using emergency drivers] equipped with Bodine's FirstLink connected emergency lighting technology.

These emergency lighting devices, with FirstLink technology, shall be UL Listed to UL 924 for field installation, be capable of forming a wireless Zigbee mesh network which allows the devices to transmit data and commands between one another, and use Bluetooth connectivity to provide access to the FirstLink hardware with a smart device application, the FirstLink app, compatible with iOS and Android devices.

The connected emergency lighting system shall contain self-testing/self-diagnostic circuitry, where results can be read by the FirstLink application and processed into a report. Additionally, the FirstLink application allows test schedules to be changed and for products to be manually tested. The FirstLink wireless Zigbee mesh network shall allow test result data to be downloaded from the FirstLink hardware's network by the FirstLink application when the smart device is in proximity to just one emergency device in the mesh. The FirstLink system will also generate system status report for viewing and sharing and allow project data to be uploaded to the cloud for storage and future retrieval.

Limited Warranty

FirstLink products are warranted for five (5) full years from date of manufacture. Please see detailed warranty information on our website.

Signify North America Corporation
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone: 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008