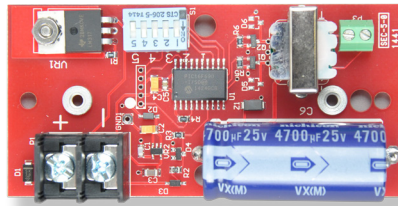




Egress Marking

Emergency Strobe

BDFS36



Project: _____
Type: _____
Model No: _____ Qty: _____
Date: _____
Notes: _____

Egress Marking Visible Notification Appliance™ (EMVNA™) System Integrated Emergency Linear Strobe with automatic activation Alerts, Demarks and Directs

Product order number: BDFS36

Specifications

ETL LISTED

UL1971 – Signaling Device for the Hearing Impaired

Strobe Operation Time

Continuous for duration of system activation

Operating Temperature

32°F to 120°F (0°C to 49°C)

Humidity Range

Driver: 10 – 93% Non-Condensing

Luminary Type

36 foot length, trim to fit light strands

Flash Rate

Switch selection for two (2) flash settings

Brightness

Switch selection for one of two
1 HZ patterns

Nominal Voltage

Regulated 12VDC/FWR or
Regulated 24DC/FWR

Operating Voltage Range

(includes fire alarm panels with built in sync)
8V to 17.5V (12V nominal) or
16V to 33V (24V nominal)

Current Draw

62.5 mA

Input Terminal Wire Gauge

12 to 18 AWG

Mounting Box (not provided)

Single gang metallic outlet box or
UL Listed/Classified 2HR non-metallic boxes

EMVNA Component Cover Plate

UL Listed/Compliant single gang blank
cover with “FIRE” label

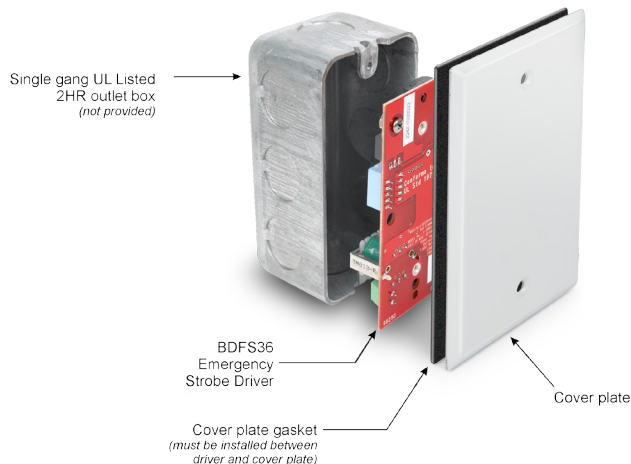
Driver Dimensions

1.8” W x 3.7 L x 0.9” D

Features and Benefits:

- Meets or exceeds NFPA 72 National Fire Code requirements
- The BDFS36 technology is “Designated” as a “Qualified Anti-Terrorism Technology” (QATT) by the U.S. Department of Homeland Security’s SAFETY Act Science & Technology Directorate
- Field-installable, integrated life safety emergency notification appliance
- Automatic activation by integrated fire, security, or emergency lighting systems
- Compatible with wide range of fire/security control systems
- Remarkably versatile appliance with a myriad of applications to help enhance facility safety
- Highly visible exit point and egress path marker from any angle, outlining the universally recognizable shape of the exit doorway and flanking adjacent areas
- People-focused designed light intensity to prevent flash blinding
- Switch-selection for light pattern and brightness
- Life safety emergency notification appliance for occupants AND rescue responders

Driver Installation



BDFS36

Emergency Door Frame Strobe

APPLICATION

The BDFS36 Emergency Strobe (door frame strobe) is a highly visible Egress Marking Visible Notification Appliance™ (EMVNA™). The BDFS36 is a current limited 12 - 24 volts input driven, low-power consuming notification appliance. It shall be wired as a primary signaling device and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobes operating voltage range in approved fire systems.

OPERATION

The BDFS36 draws approximately 62.5 mA (milliamps) peak draw of power for its operation. Its local system synchronized flashing signals are remotely initiated, either automatically from detectors in the fire/security system, manually from pull-stations located throughout a facility, or from the system's access control panel. The BDFS36 is configured and synchronized to the integrated system like all other NAC-supervised visual notification appliances.

INSTALLATION

The BDFS36 is installed in a UL-rated single gang outlet box above the frame of an egress doorway leading to a safe exit of the facility. It can be field-calibrated

using dip switch settings on the driver to different sync patterns to correspond with other 1 Hz flashing notification appliances in the connected zone or line of sight as required in UL1971, NFPA, and other codes and requirements.

EMERGENCY ACTIVATION

Upon activation of the fire/security system the BDFS36 shall respond in sync with all other attached appliances by flashing/strobing a highly visible light by illuminating the light strand luminaries attached to each BDFS36 appliance. The illuminated light strands outline the frame of the doorway indicating the proper path to safe egress and shall strobe during the entire duration of the activated fire/security system.

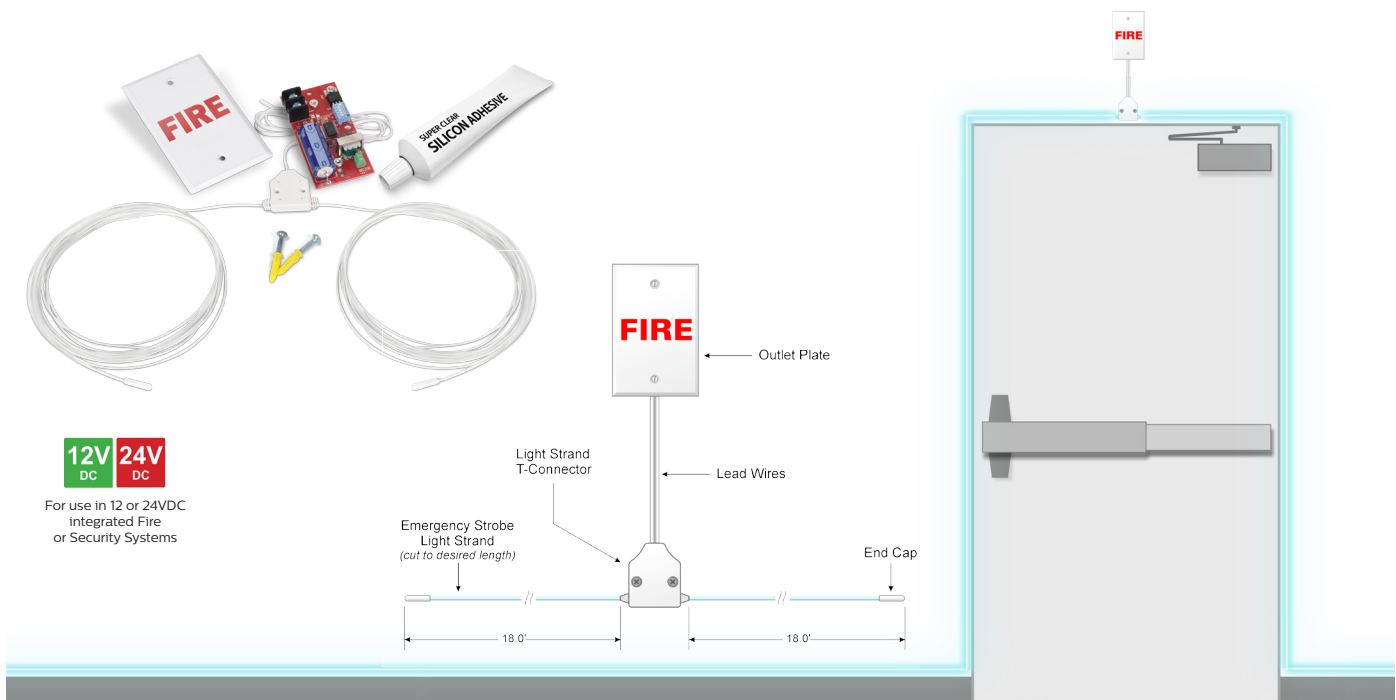
SPECIFICATION

The Philips Bodine BDFS36 egress marking emergency strobe shall consist of the emergency strobe EMVNA™ driver, T-Connector light strand assembly, 36 feet of trim-to-fit light strand and outlet cover plate. A tube of specially designed clear silicon adhesive for mounting light strands and light strand end caps are also provided. The BDFS36 shall be hard-wired into the integrated system and upon activation will illuminate

the light strands in a synchronized flashing/strobing pattern to alert, demark and direct occupants to the proper path of egress. The BDFS36 shall provide an emergency strobe for the duration of the fire/system activation. It will return to standby mode once the integrated system is reset. The BDFS36 shall meet or exceed applicable visible notification standards and requirements of ADA, NFPA, and ICC Codes. The BDFS36 shall be ETL Listed under UL 1971 as an approved signaling device for the hearing impaired.

WARRANTY

The BDFS36 Emergency Strobe is manufactured and assembled in the USA under strict Certified ISO 9001 Standards. The device driver and kit parts are covered by a three (3) year Limited Warranty from the date of purchase, and luminaries are covered by a (1) year Limited Warranty from the date of purchase.™ Please see warranty information located on our web site for details.



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