

# GTD

Generator Transfer Device

# PHILIPS bodine

A Division Of Philips Electronics North America Corporation

## For Generator or Central Inverter Supplied Lighting

### Product Summary

#### UL LISTED

Factory or Field Installation

#### Full Warranty

5 Years (NOT pro-rata)

#### Dual Input Voltage

120/277 VAC, 60 Hz

#### AC Input Current

280 mA

#### AC Input Power Rating

1.6 Watts

#### Fusing

All inputs fused to 3 A Maximum

#### Temperature Rating (Ambient)

0°C to +50°C

(32°F to 122°F)

#### Dimensions

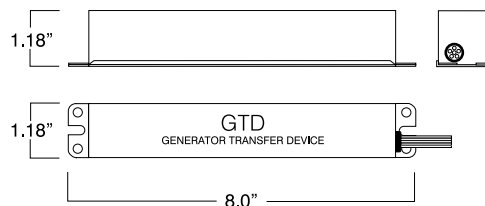
8" x 1.18" x 1.18"

(204 mm x 30 mm x 30 mm)

Mounting Center 7.60" (193 mm)

#### Weight

0.50 lbs. (0.23 kg)



### APPLICATION

The GTD generator transfer device works in conjunction with an auxiliary generator or a central inverter system to power existing fluorescent or LED fixtures for egress lighting regardless of fixture wall switch position. The device consists of relay switching circuitry and fusing in one compact galvanized steel case. One generator transfer device per fixture is used to bypass the fixture wall switch, allowing the building's generator (or central inverter) to bring on switchable fixtures. The generator transfer device is suitable for indoor or damp locations and for sealed and gasketed fixtures. Recommended applications include: auditoriums, classrooms or any other location with generator (or central inverter) supplied lighting.

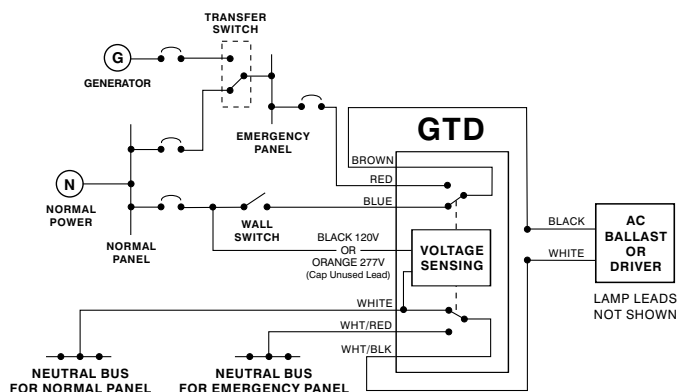
### OPERATION

The GTD generator transfer device senses the loss of normal power and switches the AC ballast or driver input power connection to an unswitched, generator (or central inverter) supplied lighting circuit. No routine maintenance is required to keep the GTD functional; however, like other life safety unit equipment, it should be checked periodically to ensure that it is working properly.

### INSTALLATION

The GTD generator transfer device does not affect normal fixture operation and comes fully assembled to mount inside, on top of or remote from the fixture ballast.

In addition to available wiring, the device requires a direct, unswitched connection to a generator (or central inverter) supplied emergency panel and an unswitched source on the same branch circuit as the switched supply (see diagram below).



Normal Operation - (Shown Above) AC Lighting Ballast supplied by normal panel & controlled by wall switch.  
Generator Operation - AC Lighting Ballast or Driver Supplied by generator (or central inverter) through emergency panel and independent of wall switch position.

### Specifiers Reference

L4100004

Project \_\_\_\_\_ Type \_\_\_\_\_ Model No. \_\_\_\_\_

Comments \_\_\_\_\_

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**For Generator or  
Central Inverter Supplied Lighting****UL LISTED**

The GTD has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and is UL Listed for factory or field installation.

**SPECIFICATION**

Generator (or central inverter) supplied egress lighting shall be provided by using a standard fluorescent or LED fixture equipped with a Philips Bodine GTD generator transfer device. The device shall be capable of bypassing the wall switch when the auxiliary generator (or central inverter) powers lighting. The device shall consist of relay switching circuitry and fusing contained in one 8" x 1.18" x 1.18" galvanized steel case; shall operate at 120 or 277 VAC, 60 Hz; shall have all inputs fused to 3 A maximum; shall draw 280 mA and 1.6 Watts during normal operation; and shall comply with the current NEC. The device shall be UL Listed for installation inside, on top of or remote from the fixture and shall be warranted for a full five years from date of purchase.

**WARRANTY**

The GTD generator transfer device is warranted for five (5) full years from date of purchase. This warranty covers only properly installed generator transfer devices used under normal conditions. For the warranty period, Philips Emergency Lighting will, at its option, repair or replace without charge a defective device, provided it is returned to the factory transportation prepaid and our inspection determines it to be defective under terms of the warranty. Repair or replacement, as stated above, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the device.

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