

GTD

Installation Instructions

GENERATOR TRANSFER DEVICE



PHILIPS
bodine



! IMPORTANT SAFEGUARDS !

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. This product is for use with generator or central inverter supplied fluorescent or LED fixtures. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
2. To reduce the risk of electric shock, disconnect all power sources before servicing.
3. This product is for factory or field installation.
4. This product is suitable for damp locations where the Ambient temperature is -20°C minimum, +65°C maximum. The Product is also suitable for installation in sealed and gasketed fixtures. Product is not suitable for heated air outlets and wet or hazardous locations.
5. An unswitched, normal AC power source and a direct, unswitched connection to a generator or central inverter supplied emergency panel is required (120 or 277 VAC, 60 Hz).
6. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
7. Do not use this product for other than intended use.
8. Servicing should be performed by qualified service personnel.

SAVE THESE INSTRUCTIONS



CAUTION: THIS UNIT HAS MORE THAN ONE POWER SUPPLY CONNECTION POINT. TO REDUCE THE RISK OF ELECTRIC SHOCK, DISCONNECT ALL POWER SOURCES BEFORE INSTALLING OR SERVICING THIS UNIT.

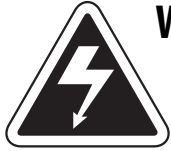
SERVICE BY QUALIFIED PERSONNEL ONLY

NOTE: BEFORE INSTALLING THE GENERATOR TRANSFER DEVICE, MAKE SURE THAT THE NECESSARY BRANCH CIRCUIT WIRING IS AVAILABLE. AN UNSWITCHED SOURCE OF NORMAL POWER IS REQUIRED. A SEPARATE CONNECTION TO A GENERATOR-SUPPLIED (OR CENTRAL INVERTER SYSTEM-SUPPLIED) CIRCUIT MUST ALSO BE PROVIDED.

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© Philips Emergency Lighting

INSTALLATION

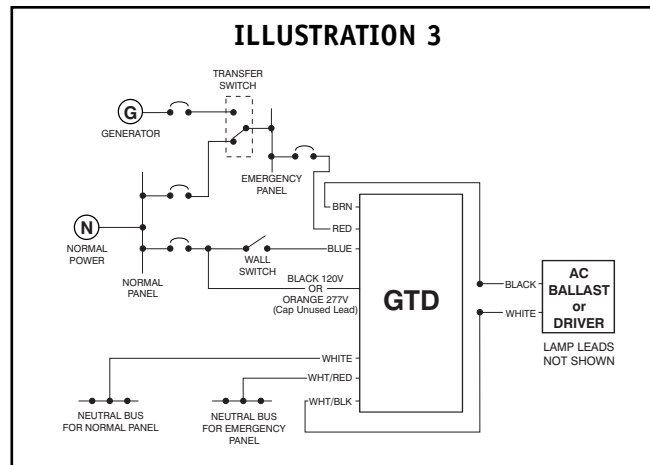
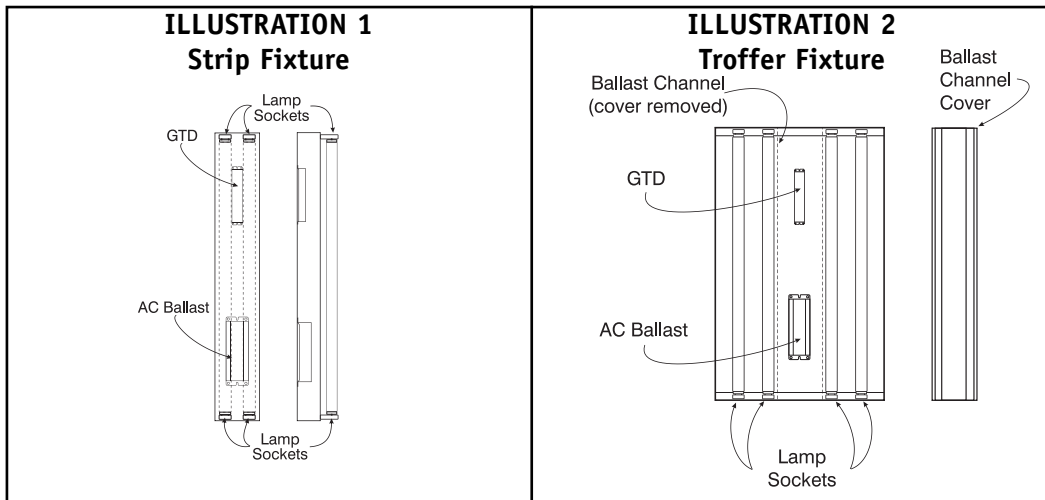


WARNING: Disconnect all power sources before installing or servicing this unit.
The GTD is intended for an electrical load of ONE fixture only.

NOTE: BEFORE INSTALLING THE GENERATOR TRANSFER DEVICE, MAKE SURE THAT THE NECESSARY BRANCH CIRCUIT WIRING IS AVAILABLE. AN UNSWITCHED SOURCE OF POWER ON THE SAME BRANCH CIRCUIT AS THE AC BALLAST IS REQUIRED. A SEPARATE CONNECTION TO A GENERATOR OR CENTRAL INVERTER SUPPLIED CIRCUIT MUST ALSO BE PROVIDED.

INSTALLING THE SWITCH BYPASS DEVICE

- > FAMILIARIZE YOURSELF WITH THESE INSTRUCTIONS BEFORE BEGINNING INSTALLATION.
- > Disconnect AC power from the fixture. Remove the ballast channel cover and install the GTD in the ballast channel (see Illustrations 1 or 2).
- > Wire the GTD as shown in Illustration 3.
- > After installation is complete, apply AC power to the fixture. Check AC ballast operation to verify proper GTD installation.
- > **Mounting Height:** This product meets or exceeds the NFPA minimum light requirements with all loads, down to the smallest rated lamp load, at heights up to 7.17ft (2.2m). Many factors influence emergency illumination levels, such as the lamp load selected, luminaire design, and environmental factors therefore end use verification is necessary. For field installations, when the attached luminaire is mounted at heights greater than 7.17ft (2.2m), the level of illumination must be measured in the end application to ensure the requirements of NFPA 101 and local codes are satisfied.



OPERATION

The GTD uses an internal relay contact to control the AC power feeding the AC ballast or driver. When the generator (or central inverter) supplies AC power to the lighting fixture, the GTD bypasses the wall switch controlling the AC ballast or driver. This ensures the fixture lighting load will be energized during generator (or central inverter) operation regardless of switch position.

MAINTENANCE

No routine maintenance is required to keep the GTD functional. However, it should be checked periodically to ensure that it is working properly.