

# TRAN-BAL™

Inverter Ballasts

# PHILIPS bodine

A Division Of Philips Electronics North America Corporation

## Inverter ballast for fluorescent lamp operation with DC input

### Tran-Bal 48TRS15-20E

#### Number of Lamps Operated

1 or 2 fluorescent lamps

#### Types of Lamps Operated

F14T12, F15T8, F15T12, F17T8 or F20T12

#### DC Input

48 VDC (1.1 Amps maximum input current)

#### Wiring Diagram Selection

Diagram B or C

#### Weight

2.75 lbs. (1.25 kg)

### Tran-Bal 48RS30-40E

#### Number of Lamps Operated

1 fluorescent lamp

#### Types of Lamps Operated

F30T12 or F40T12

#### DC Input

48 VDC (1.1 Amps maximum input current)

#### Wiring Diagram Selection

Diagram A

#### Weight

2.75 lbs. (1.25 kg)

### Tran-Bal 48TRS30-40E

#### Number of Lamps Operated

1 or 2 fluorescent lamps.

#### Types of Lamps Operated

F30T12, F32T8 or F40T12

#### DC Input

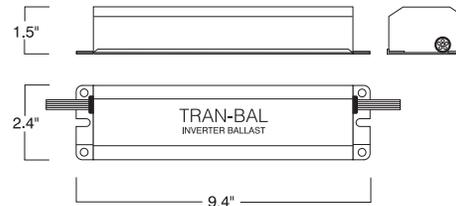
48 VDC (1.9 Amps maximum input current)

#### Wiring Diagram Selection

Diagram B or C

#### Weight

3.0 lbs. (1.4 kg)



## APPLICATION

Three models are available to power a variety of popular fluorescent lamps from a 48 Volt DC source. The Tran-Bal is suitable for indoor locations. It is not suitable for air handling heated air outlets or wet, damp or hazardous locations.

## OPERATION

Depending on the model selected, the Tran-Bal inverter ballast operates either one or two fluorescent lamps by converting the DC input power into high-frequency AC power (20 to 30 kHz). No other ballast or starter is required.

## INSTALLATION

Tran-Bal inverter ballasts are available for either single-lamp or two-lamp operation. Refer to the diagrams below. For proper heat dissipation, the Tran-Bal must be mounted on a metal surface. Reverse polarity protection prevents circuit damage if the DC input leads are reversed when connected.

## WARRANTY

Philips Bodine Tran-Bal inverter ballasts are warranted for one (1) full year from date of purchase. This warranty covers only properly installed Philips Bodine inverter ballasts used under normal conditions. For the warranty period, Philips Emergency Lighting will, at its option, repair or replace without charge a defective inverter ballast, 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 inverter ballast.

Diagram A

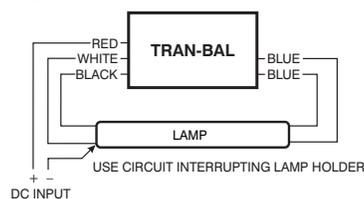


Diagram B

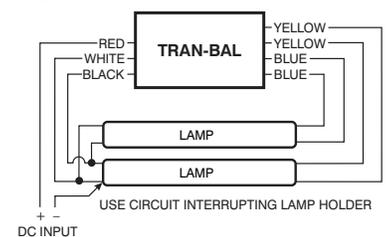
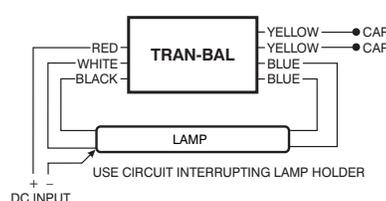


Diagram C



## Specifiers Reference

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

Comments \_\_\_\_\_

L4000003

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