**LonWorks® Ballast Controller**

**WBC-2512**

**Technical Data**

**PART No.**

<table>
<thead>
<tr>
<th>PART No.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>WBC-2512</td>
<td>The WBC-2512 device is designed to control electronic dimmable ballasts that utilize the 0-10V control method. This includes all ballasts that use the same control method as the Philips/Advance Mark VII electronic dimmable ballast. There are 12 outputs available. Each can be dimmed to a unique level and is independent of the other outputs. Up to 50 ballasts can be connected to an output. The WBC-2512 is a Lonmark compliant device for dimming ballast control. Other Douglas devices available that may have application with the WBC-2512 are the WPS-S942 Photo Sensor and/or the WNR-2112 Relay Actuator which can switch the power circuit on and off.</td>
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</table>

**SPECIFICATION**

**Power**

24VAC or 24VDC, 50mA

A jumper is located next to the power terminal to select AC or DC voltage. CAUTION: Be sure jumper is correctly set for the voltage type being applied. Remove jumper for AC power source.

**Data Signal**

Standard LonTalk transmitter, FTT-10 (78kbps) type.

**Outputs**

12 outputs suitable for dimmable electronic ballasts that use the 0-10V control method. A maximum of 50 ballasts can be connected to an output.

**Environment**

Indoors, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity. Ambient operating temperature: -0°F to +120°F (-15°C to +50°C)

**Override Buttons**

Pressing button will bring output to 100%. Pressing again will bring output to 0%.

**Indicator LEDs**

LED is on if output is at any value greater than 20%.

**Power**

24VAC or 24VDC ±10%

Remove AC/DC jumper for AC applications

**Outputs**

There are 12 pairs of outputs that are designed to control dimmable ballasts that use 0-10V control.

A maximum of 50 ballasts can be controlled with one output.

**Data Signal**

FTT-10 Standard LonTalk Transceiver

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**LonWorks NETWORK DATA**

This information is provided for the benefit of system integrators who are integrating this devices into a system.

To help with integration, software plug-ins for the LNS system are available.

**Functional Profiles**

Node Object Type: 0

Lamp Actuator Type: 3040 (x12)

**Configuration Properties**

SCPTlocation stores the module location.

SCPTprimeVal predetermines the LOW light level.

SCPTsecondVal predetermines the MED light level.

SCPTmaxRange sets the HIGH light level (applicable to both nvlampValue and

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**Network Variables**

nvlampValue is used to set the value of the output channel.

nvlampValueFB is used to report changes in actuator status.

nvlampLevel is used to set the output channel to 1 of 4 predefined values: OFF, LOW, MED and HIGH

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**DIMENSIONS & MOUNTING**

Plan View

Side View