

INSTALLATION

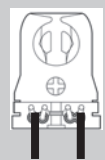
ENGLISH

WARNINGS AND CAUTIONS:

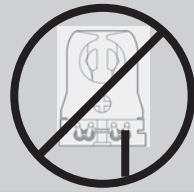
- Ballast installation and replacement should only be performed by qualified personnel.
- Power to ballast and fixture must be disconnected at all times.
- Ballast and fixture must be grounded.
- Failure to mount and wire ballast and fixture in conformance with the National Electric Code, applicable State or Municipal codes, and specific UL Safety standards for the intended working environment may cause serious personal injury, death, and/or property damage.

SOCKETS:

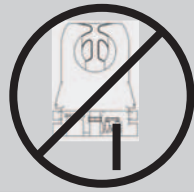
- **USE 'RAPID START' SOCKETS ONLY.** 'Instant Start' or shunted sockets are not supported for use with Leviton dimming ballasts.
- Rapid start sockets have two wires coming out of each socket, one going to each pin of the lamp



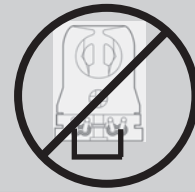
CORRECT



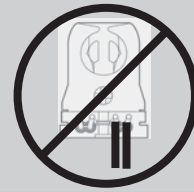
WRONG



WRONG



WRONG



WRONG

T8 BALLASTS

Max distance: lamp to ground plane	1/2" +/- 1/4" 12.7 +/- 6.4mm
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Max distance: socket to ballast	7" 2.1m
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T5 BALLASTS

Max distance: lamp to ground plane	3/8" +/- 1/8" 9.5 +/- 3.2mm
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Max distance: socket to ballast	7" 2.1m
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INSTALLATION STEPS:

1. Ensure **power is OFF** on all circuits you will be working with.
2. Remove lamps, fixture cover, etc. as necessary to expose ballast compartment.
3. Remove existing ballast.
4. Install new rapid start sockets and wiring if necessary. If using existing sockets, inspect sockets and wiring to ensure they are of the correct type and they are not damaged. If damaged, replace sockets and/or wiring.
5. Examine the ballast and confirm that the lamps you intend to use in the fixture are listed as supported lamps by the ballast. This information can be found on the ballast label.
6. Install Sector ballast in fixture. Ensure maximum contact between fixture housing and ballast base for heat dissipation.
7. Following wiring diagram on ballast, connect ballast to lamps.
8. Connect control network to ballast. SectorNet network wiring is topology and polarity independent. Reference Leviton's Sector "Network Device Installation" guide and "Sector System Design and Commissioning Guide" for additional information.
9. Connect input power to ballast. Ensure that hot, neutral, and ground wires are connected.
10. Re-install ballast compartment cover.
11. Repeat process as required.

SYSTEM TESTING:

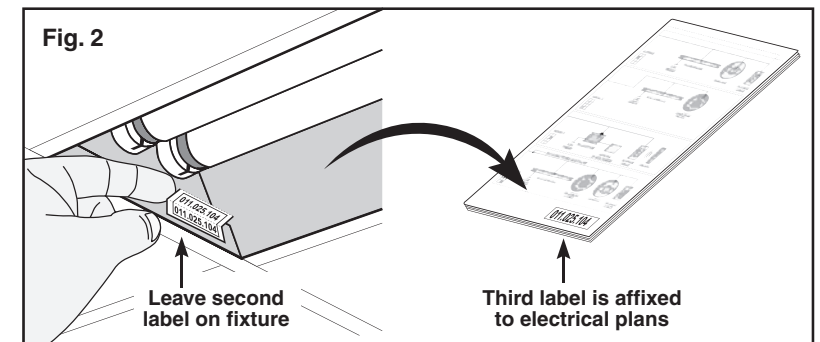
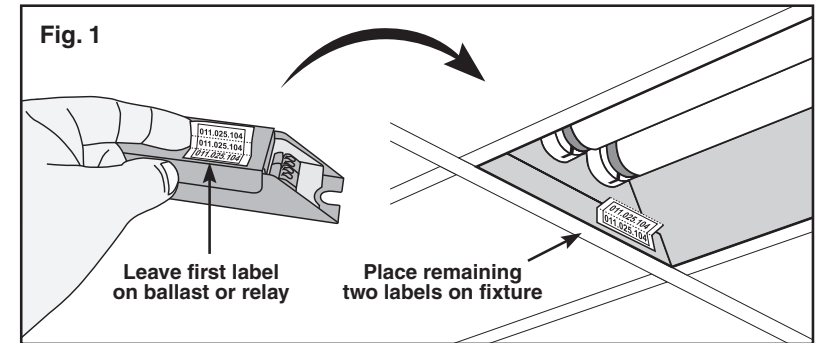
Ballast can be tested by powering up the light fixture without the control wiring connected. This will result in the lamps going to full intensity. If fixtures do not go to full brightness, check wiring. SectorNet communications between the ballast and the bus controller power supply can be tested by initiating the "test" mode on the Sector bus controller. Reference bus controller documentation for additional information on this feature.

SECTORNET BALLAST ADDRESS:

Part of the commissioning process for SectorNet systems requires the knowledge of the ballast/relay 'hard' address. The hard address of each relay is provided on a 3-part label affixed to the ballast housing. These labels have a particular purpose and intended process for usage. One of the label parts is to remain on the ballast/relay. The second label part is to remain on the fixture either on the wiring compartment or externally visible. The third part of the label is to be affixed to the lighting/electrical plans for use by Leviton Field Service Personnel during the commission phase, then, turned over to the owner as part of the as-built document package.

The process for label usage is as follows:

1. When the ballast is installed in the fixture, or, the relay is affixed to the fixture, (2) of the labels should be removed from the relay at the perforation line, then, the label backing removed from only (1) of the labels, and the label affixed to the fixture in a conspicuous location. Commonly, labels are affixed to wiring compartment or visible edge of fixture in the room.
2. When the fixture is installed at the location, the last label should be torn off at the perforation line, the label backing removed, and the label affixed to the lighting/electrical plans for use by Leviton Field Service Personnel during the commission phase, then, turned over to the owner as part of the as-built document package. In the event that building plans are not available, document address in the charts provided on Leviton drawings or make your own. It is critical to know the address of each ballast in every room.



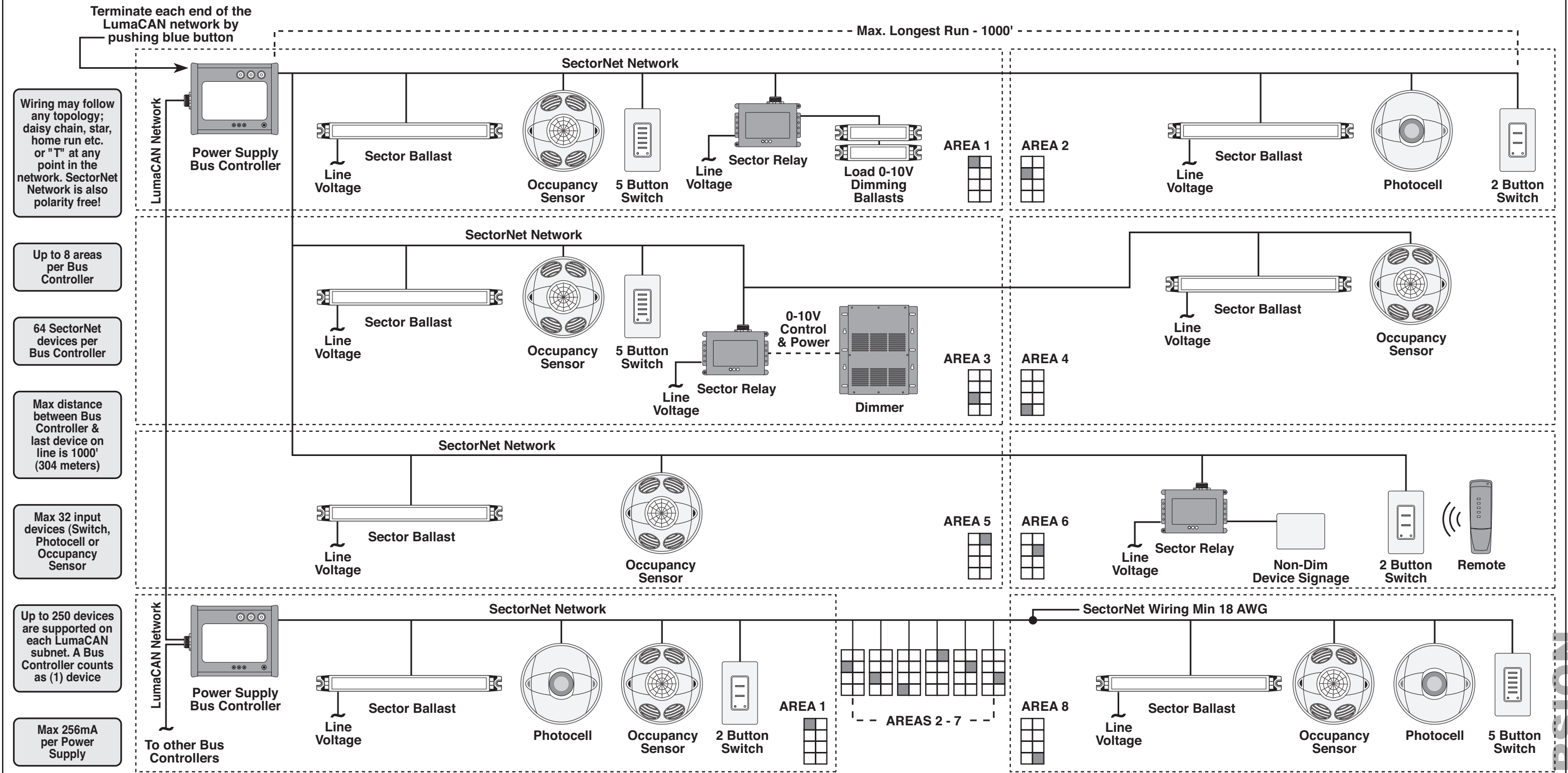
NOTES:

- Maximum distance between ballast and the lamp sockets is seven feet (7').
- Maximum 64 devices per bus controller.
- Sector 'SectorNet' ballasts can only be used with compatible Leviton SectorNet equipment.
- 0-10V ballasts can be used with any controller designed to sink the control signal from the 0-10V ballasts.
- Follow lamp manufacturer recommendations for initial lamp burn-in period.
- Install new lamps with new ballast installation.
- Sockets must be installed perpendicular to lamp ends.
- Wire length between socket and ballast shall be kept as short as possible.
- **DO NOT** coil wire inside of fixture cavity.
- Use "test mode" to confirm network wiring.
- Isolate wiring problems by segmenting network until the problem is found.
- Maximum longest run from Power Supply to last device is 1,000'. Run lengths greater than 1,000' allowed only when power supply is in the middle of the run, and all segments are less than 1000'.

TROUBLESHOOTING:

1. If control wiring is SectorNet, temporarily disconnect Sector wiring and cycle power to force ballast to full. If wiring is 0-10V, the ballast will go to full when there is no connection and will go to minimum when the wires are shorted together.
2. Inspect socket orientation to lamp, must be perpendicular.
3. Confirm wires are fully inserted into sockets and ballast.
4. Replace lamps.

SECTORNET SYSTEM COMPONENTS



LIMITED 5 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such five year period the product is returned prepaid, with proof of purchase date, and a description of the problem to Leviton Mfg. Co., Inc. 201 North Service Road, Melville, N.Y. 11747. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to five years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

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WEB VERSION