

## SuperDim<sup>®</sup> System Verification

**Warning!! Make sure All SuperDim<sup>®</sup> devices are wired exactly as shown on the wiring diagram and grounded properly before starting this step.**

SuperDim<sup>®</sup> system wiring should be checked before completing the installation job. Conduct the following 3 levels of verification to make sure the SuperDim<sup>®</sup> system is wired correctly and working properly.

- 1) Ballast validation, including power and lamp wiring.
- 2) System control wire validation.
- 3) Control device validation.

**CAUTION!!! : Before installing or troubleshooting any SuperDim<sup>®</sup> components, turn off AC power to prevent possible electric shock and unit damage.**

### 1) Ballast validation:

After connecting power wires to the luminaires, but before making any control wire connections, apply power to the lighting circuit. All lighting devices should strike the lamp and provide full brightness.

### 2) System control wire validation:

1. Connect control wires to all the lighting devices. **Keep the Control wires of the control device unconnected** and separately cap off all un-terminated wire ends.
2. Apply power to the lighting circuit. All luminaires should strike the lamp and provide full Brightness.
3. Remove power from the lighting circuit; apply a short circuit between the two control wires (purple and gray).
4. Reapply power to the lighting circuit. Each ballast should strike the lamp, and then operate the lamp at full dim.
5. If any of the devices behave differently, check and troubleshoot the control wiring.
6. Disconnect power and remove the short from the control circuit and connect the SuperDim<sup>®</sup> control devices.

### 3) Control device validation:

1. Turn or slide the control knob of the 0 -10V control to the maximum brightness level position. Power ON all devices in the SuperDim<sup>®</sup> control loop. All luminaires in the loop should come ON and go to full brightness.
2. Move the control knob to vary the brightness level. If any of the devices are not responding, then disconnect the power and check the wiring.
3. Check the SuperDim<sup>®</sup> troubleshooting section for more details.

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For further assistance or ordering information please contact Universal lighting technologies @ 1-800-BALLAST or visit our website at <http://www.universalballast.com>