


Electrician's Checklist to Troubleshooting Wiring & Fixtures

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Lights too bright, too dim, not on or off? Not following programming?

 <p>1</p>	<ul style="list-style-type: none">● Fix power: use voltage tester to check if device is powered; check if outages activated emergency settings● Bypass old controls: remove any contactors, timers, clocks, sensors, or hard switches that turn-off power to Avi-on controls● Reset breaker: check if breaker is off or breaker is failing (failing breaker makes lights erratic)● Check batteries: ‘wake-up’ battery-powered devices to add to App; check batteries are installed correctly● Correct wiring: do not wire hot to ground, do fix swapped dimming wires, replace devices destroyed by mis-wiring
<p>2</p>	<p>Check Driver Compatibility or Failure: check if the fixture or driver is damaged, wet, or failed. For LVFA applications, qualify drivers are dim-to-off (if not, swap to IFAC) PLUS verify AUX powers LVFA consistently (or add power supply)</p>
<p>3</p>	<p>Adjust Sensor Placement or Density: increase sensor density to better cover low usage areas, update PIR to dual-tech if not getting good response in cube areas. Locate away from air vents, ceiling fans, or other distractions</p>
<p>4</p>	<p>Add/Program Wall Stations w/ App: associate groups to wall stations, eliminate interference from overlapping groups or sensors</p>
<p>5</p>	<p>Fill In ‘Thin’ Spots (Isolated Devices): install controls in adjacent areas, then program areas one at a time. ‘Islands’ may appear and disappear as you install. Reduce ‘thin spots’ in network: verify devices are powered & antennas not pinched or cut</p>
<p>6</p>	<p>Remove Overlapped/Forgotten Settings in App: verify groups, schedules, scenes, sensor settings map to right devices/groups</p>
<p>7</p>	<p>Check Data Connection, Phone, & App. Using Mobile Commissioning App on Phone: turn ON data plan, Wi-Fi, and Bluetooth; verify good cell and Wi-Fi coverage; move closer to device. Using Avi-on Pro: check the ‘bars’ on the laptop’s internet connection. If <i>Pro</i> doesn’t match <i>Mobile App</i>, sync by connecting phone or laptop to Wi-Fi or data plan for 10 minutes <u>or</u> until spinning stops</p>
<p>8</p>	<p>Remove, Don’t Reset: ‘remove’ devices with App INSTEAD OF doing manual reset</p>