AddressPro® System Verification

Warrning!! Make sure All AddressPro™ devices are wired exactly as shown on the wiring diagram and grounded properly before starting this step.

AddressPro® systems should be checked before completing the installation job and turning it over to programming. Three levels of verification are:

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

Do the following steps for the system verification.

Caution: Switching the system to OFF (stand-by) mode does not remove power from any components of the AddressPro® system.

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 (see Fig. 1).
2. Apply power to the lighting circuit. All luminaires should strike the lamp and provide full Brightness.

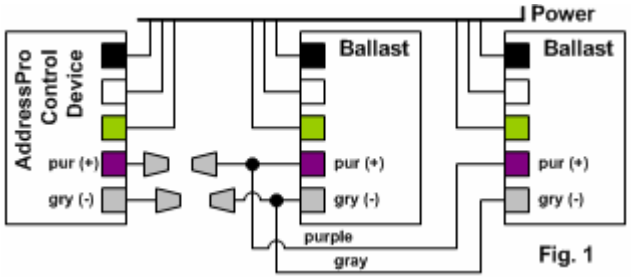

Fig. 1

3. Remove power from the lighting circuit, apply a short circuit between the two control wires (purple and gray) as shown in Fig 2.
4. Reapply power to the lighting circuit. Each ballast should strike the lamp, and then operate the lamp at full dim. (**Note: AddressPro® dimming modules doesn't go to full dim if the control wires shorted**.)
5. If any of the devices behave differently, check and troubleshoot the control wiring.
6. Disconnect power, remove the short from the control circuit, and connect the AddressPro control devices.

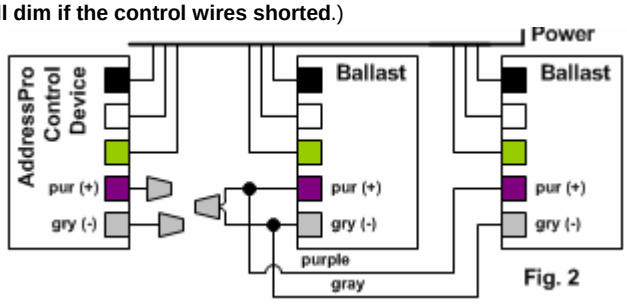

Fig. 2

3) Control device validation:

1. Power ON all devices in the AddressPro Loop. All luminaires in the loop should come ON and go to full brightness.
2. If any of the devices are in OFF state, try to turn ON and OFF the system using the control device. If the other devices in the AddressPro loop are listening to the control device and if the un-lit unit still remains in the OFF state then disconnect the power and check the wiring.
3. If the AddressPro system is not responding to the control device actions, there may be errors in the control loop wiring. Check the control voltage across the purple and gray wiring. If the system is wired correctly, the control voltage will be between 9V & 16V. If the control voltage is between 1V & 7V, there will be cross-wired control line (purple to gray and gray to purple) or unpowered units in the system. If the control voltage is < 0.7V, the control wires will be shorted or unconnected.
4. Check the troubleshooting section for more details.