

## AddressPro<sup>®</sup> System Installation

**Warning! All AddressPro<sup>®</sup> components are to be installed according to the label diagram and national and local building codes.**

### Mounting

- ❑ AddressPro<sup>®</sup> ballasts and modules must be mounted properly against a flat metal piece, which acts as a heat sink for the unit.
- ❑ AddressPro<sup>®</sup> Ballasts cannot be remote mounted or tandem wired.
- ❑ Lead lengths must be limited to the maximum values provided on the ballast labels or ballast specification sheets.
- ❑ The fixtures used to mount AddressPro<sup>®</sup> ballasts and modules must have an internal ambient temperature <40°C.
- ❑ Fluorescent fixtures cannot be mounted in an area allows drafts (causes dimming due to airflow).
- ❑ Linear lamp fixtures must incorporate a grounded lamp 'Starting aid'.
- ❑ Linear lamp to starting aid (Grounded Fixture Surface) spacing must be 1/8 to 1/2 inch.
- ❑ Lamps must not touch any grounded metal.
- ❑ Lamp support brackets (if any) must not be metal.

### AddressPro<sup>®</sup> system Wiring

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

#### Power Wiring

- ❑ Both AddressPro<sup>®</sup> components and light fixtures must be properly grounded, failure will result in lamp flickering and system malfunctioning.
- ❑ When grounding fixtures remove the paint from the ground point.
- ❑ Make the required connections and cap off the unused wires (if any) with approved wire connectors.

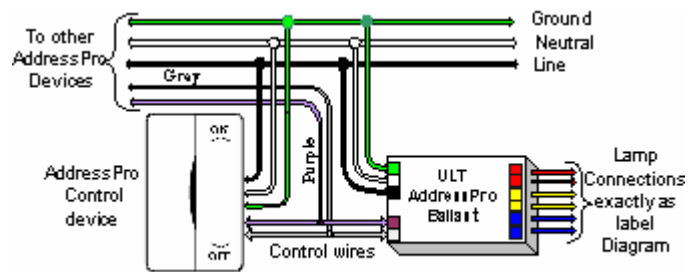


Fig.1 AddressPro wiring Diagram

#### Control Wiring

- ❑ Total length of the control wires cannot exceed 2500 ft.
- ❑ Control wires can be either to Class 1 or Class 2 per NEC, state and local code definition.
- ❑ Control wires can be run through same conduit as power wiring.
- ❑ Do not connect the control wires to power.
- ❑ Never ground any of the control wires. This will cause intermittent operation of AddressPro<sup>®</sup> system
- ❑ In control wiring, always the polarity must be observed throughout the entire run. (Purple-to-purple & gray-to-gray).
- ❑ Keep control leads and lamp leads separate (do not bundle).
- ❑ If the purple and gray wires are not connected to digital dimming ballast, it functions only as non-dimming ballast.

#### Lamp Wiring

- ❑ AddressPro<sup>®</sup> ballasts must be wired **EXACTLY** as stated on the ballast label. Wrong wiring can cause the unit malfunctioning and shorting the unit and or the lamp life.
- ❑ Keep the lead length **AS SHORT AS POSSIBLE** (Do not bundle).
- ❑ Always consistently wire (lead lengths) all fixtures in a room to avoid uneven light levels.
- ❑ Always use same type of lamps throughout the room to avoid uneven light levels.
- ❑ Burn lamps at full bright for at least 12 hours before dimming.
- ❑ When using AddressPro<sup>®</sup> incandescent dimming modules, the lamps must be rated for the input voltage of the module.
- ❑ Never use shunted or instant start lamp sockets with AddressPro<sup>®</sup> fixtures (see fig 2).
- ❑ Always use correctly rated lamp sockets.

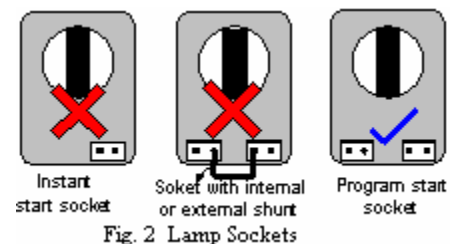


Fig. 2 Lamp Sockets

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