

## DaliPro® System Installation

**Warning! All DaliPro® components are to be installed according to the label diagram and national and local building codes.**

### Mounting

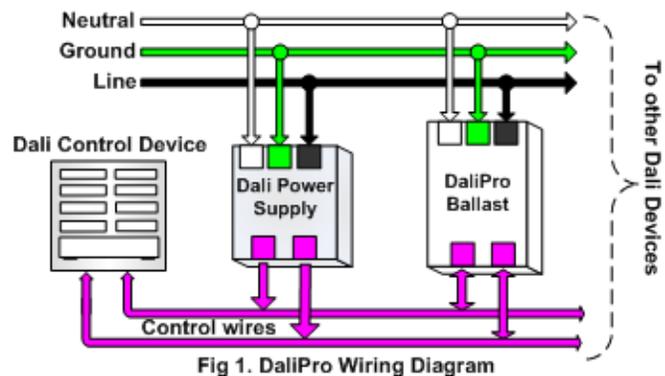
- ❑ DaliPro® ballasts and modules must be mounted properly against a flat metal piece, which acts as a heat sink for the unit.
- ❑ Use a star washer or other paint penetrating device.
- ❑ DaliPro® Ballasts cannot be remote mounted. Maximum lead lengths must be limited according to the specification.
- ❑ The fixtures used to mount DaliPro® ballasts must have an internal ambient temperature <40°C.
- ❑ Fluorescent fixtures cannot be mounted in an area allows drafts (causes dimming due to airflow).
- ❑ Fixtures must be grounded.
- ❑ Lamp to ground plane fixture spacings must conform to ANSI standards.
- ❑ Lamps must not touch any grounded metal.
- ❑ Lamp support brackets (if any) must not be metal.

### DaliPro® system Wiring

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

#### Power Wiring

- ❑ Both DaliPro® ballasts and light fixtures must be properly grounded.
- ❑ When grounding fixtures remove the paint from the ground point if necessary to assure proper grounding.
- ❑ Make the required connections and cap off the unused wires (if any) with approved wire connectors.
- ❑ Make sure that no control devices, including the DALI power supply, are connected to the DALI loop.
- ❑ After applying power, carefully check that no high voltage line power is present on the DALI loop: Measure between the two DALI wires, from each DALI wire to Neutral and from Each DALI wire to Line. It is normal to read a low, induced voltage on the DALI bus. If Line Voltage is found, do not go on to the next step until the source of the problem is found and eliminated.
- ❑ Measure the resistance between the two DALI control wires. You should read an open ( $M\Omega$  or  $\infty$ ) or a very high resistance.
- ❑ Measure the resistance from each DALI control wire to ground. You should read an open ( $M\Omega$  or  $\infty$ ).
- ❑ Connect the DALI control wires to the DALI power supply and control device(s).

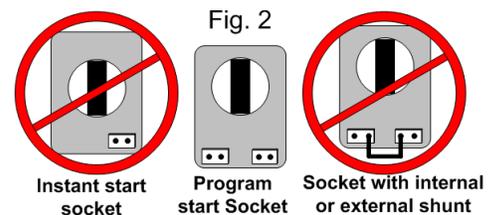


#### Control Wiring

- ❑ Do not connect the control wires to power (see fig 1).
- ❑ Never ground any of the control wires.
- ❑ Keep control leads and lamp leads separate (do not bundle).

#### Lamp Wiring

- ❑ Keep the lead length **AS SHORT AS POSSIBLE** (Do not bundle).
- ❑ Wire all fixtures in a room with consistent lead lengths to avoid uneven light levels.
- ❑ 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 the first time.
- ❑ Never use shunted or instant start lamp sockets with DaliPro® fixtures (see fig 2).
- ❑ Always use correctly rated lamp sockets.



Installations resulting in twisted, folded or bundled lamp wires, and applications routing lamp wires in very narrow channels, should be validated by test. This test should be conducted at the target input voltage, and at both the maximum and minimum intensity levels. Test criteria should include acceptable starting performance with cold lamps as well as steady and uniform illumination during and after stabilization of the lamp temperature.