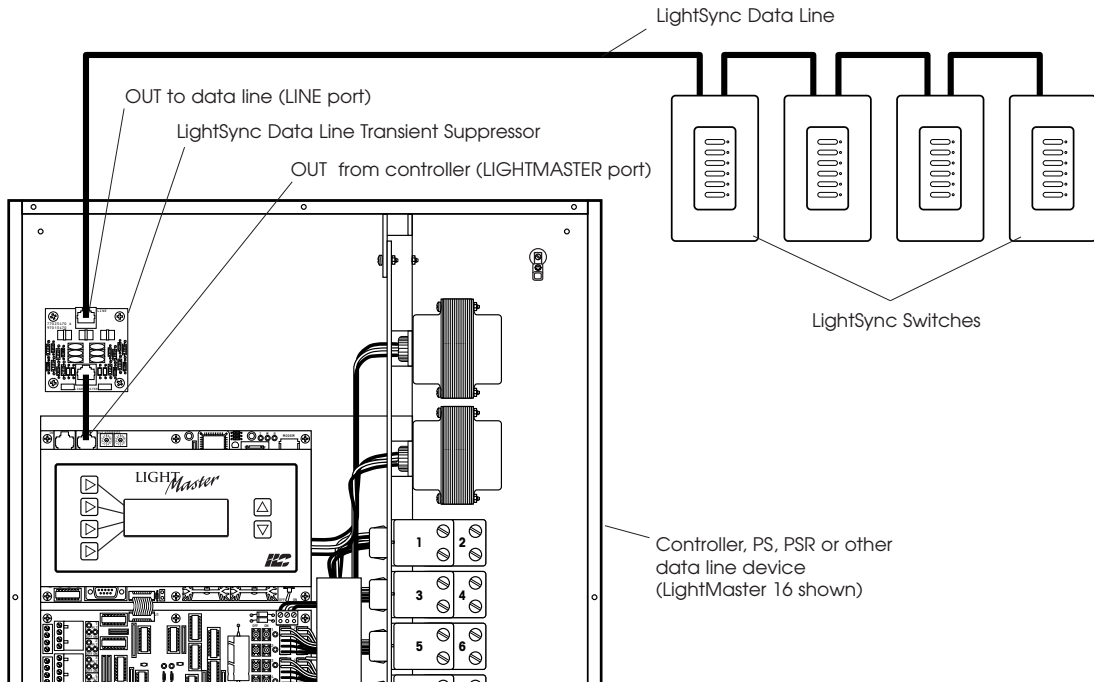


LightSync™ Data Line Transient Suppressor Installation



Installation

Perform the following procedures when installing the LightSync Data Line Transient Suppressor on your data line network.

1. Remove the 4 mounting screws holding the circuit board to the mounting plate.
2. Install the mounting plate near the "out" port of the controller, PS, PSR or other data line device with the 4 self-drilling screws provided. **NOTE:** The mounting plate must be secured to a grounded enclosure for the device to work properly.
3. Re-install the printed circuit board back onto the mounting plate with the 4 screws removed in step 1.
4. Connect a short CAT-5 patch cable from the "out" port of the data line device to the "LightMaster" side of the suppressor (lower connector).
5. Connect the CAT-5 data line to the next device to the "Line" side of the suppressor (upper connector).

Notes:

- Always use the cable pin-out required by ILC and test all cables with a CAT-5 tester.
- Do not exceed more than 8 suppressors per network without the addition of a Power Supply Repeater (PSR). A PSR will add 8 suppressors to the data line capacity.
- For cable runs between buildings, always place the suppressor before the first device in each building.

Physical:

- Mounts in controller or remotely
- Galvanized mounting plate
- Compact 2.5" x 2.5" size
- 2 RJ-45 jacks for in/out connections

Electrical Protection:

- Nominal Voltage 5-15 VDC, 3-10 VAC
- Maximum Continuous Operating Voltage 17 VDC, 12 VAC
- Designed to meet surge rating ANSI/IEEE C62.41-1991 Cat. A

Operating Environment:

- Location Interior space
- Operating Temperature 0° to 50° C (32° to 112° F)
- Relative Humidity 10% to 95%
- Atmosphere Non-condensing, Non-explosive, Non-corrosive
- Vibration Stationary application NEMA Level A