

# For Your Information ...



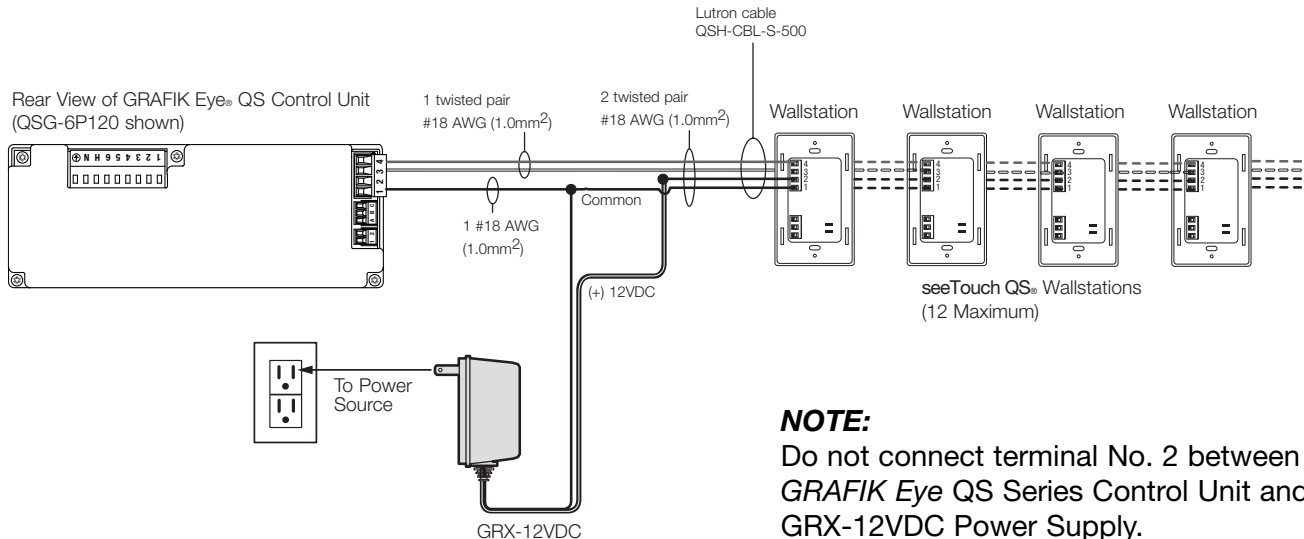
## Using GRAFIK Eye® QS to Power More Than Three Wallstations

### Overview

This application note details the proper wiring configuration to add an additional power supply (Lutron P/N: GRX-12VDC) to power seeTouch® QS wallstations when more than three wallstations need to be connected to one *GRAFIK Eye QS*. This information is a supplement to the wiring details found in the *GRAFIK Eye QS* installation guide. This power supply is capable of delivering enough power for 12 *seeTouch QS* wallstations. The maximum distance between this power supply and any of the wallstations it is powering is 300 feet. This power supply has a two conductor cable for its output. The conductor with the white stripe is the +12 VDC and the other conductor is the COMMON

### Wiring Details

An external 12 V<sup>DC</sup> Power Supply is required to power more than three wallstations from a single control unit.



The +12 VDC wire from the power supply connects to QS link terminal 2 on all of the wallstations it is powering. This wire does not connect to terminal 2 on the *GRAFIK Eye QS*.

The COMMON wire from the power supply connects to QS link terminal 1 on all of the wallstations it is powering and terminal 1 on the *GRAFIK Eye QS*.

The communication signals on the QS link (terminals 3 and 4) connect from the wallstations to the *GRAFIK Eye QS* on twisted, shielded cable just as when an additional power supply is not being used.

## Power Supply

Lutron Part #: GRX-12VDC

Input: 120 V $\sim$  60 Hz

Output: 12 V $\equiv$  0.8 A PELV (Class 2: USA)

Description: 120 V $\sim$  to 12 V $\equiv$  plug-in power supply, capable of delivering 0.8 A with PELV (Class 2: USA) rated output

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If you need assistance, call the toll-free  
**Lutron Technical Support Center.**  
Please provide exact model number when calling.  
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